QUARTERLY REPORT FOR THE ROCKY FLATS GROUNDWATER PLUME TREATMENT SYSTEMS

January through March 2000

March 30, 2000



SW-B-000002



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ACRONYM LIST

DOE SCFA EPA gpm	Department of Energy DOE Subsurface Contaminant Focus Area Environmental Protection Agency gallons per minute
ITS	Interceptor Trench System
FY	Fiscal Year
pCi/l	Picocuries per liter
RFCA	Rocky Flats Cleanup Agreement
RFETS	Rocky Flats Environmental Technology Site
RMRS	Rocky Mountain Remediation Services
NPDES	National Pollutant Discharge Elimination System
pCi/ug	PicoCuries per microgram
ug/l	Micrograms per liter
VOCs	Volatile Organic Compounds

1.0 INTRODUCTION

Reactive barriers were installed at the Rocky Flats Environmental Technology Site (RFETS) for the Mound Site Plume, the East Trenches Plume and the Solar Ponds Plume. These reactive barriers are designed to protect surface water. These systems were installed near the distal ends of the plumes to intercept groundwater prior to entering surface water and are effective in low flow, low permeability regimes.

This report covers the activity and available data for these treatment systems for the quarter from January through March 2000. Included in this report are the analytical results for samples collected during the previous quarter, which were not available for the last quarterly report.

2.0 MOUND SITE PLUME TREATMENT SYSTEM

The Mound Site Plume Treatment System was designed to collect and treat contaminated groundwater derived from the Mound Site to the Groundwater Action Level Framework Tier 2 level concentrations defined in the Rocky Flats Cleanup Agreement (RFCA) (DOE, 1996). The effectiveness and feasibility of using this type of system on other contaminated groundwater plumes was demonstrated on this project. The Mound Site Plume Treatment System employs innovative technology for the collection and treatment of contaminated groundwater containing chlorinated organic contamination and low levels of radionuclides. The Mound Site Plume System components are shown on Figure 1.

The Mound Site Plume Treatment Project was a cooperative effort between Rocky Flats and the Department of Energy Subsurface Contaminant Focus Area (SCFA), with support from the US Environmental Protection Agency (EPA) SITE Program. Funds were provided by SCFA in Fiscal Year (FY) 2000 for additional sampling beyond that required by the Mound Site Plume Decision Document (DOE 1997).

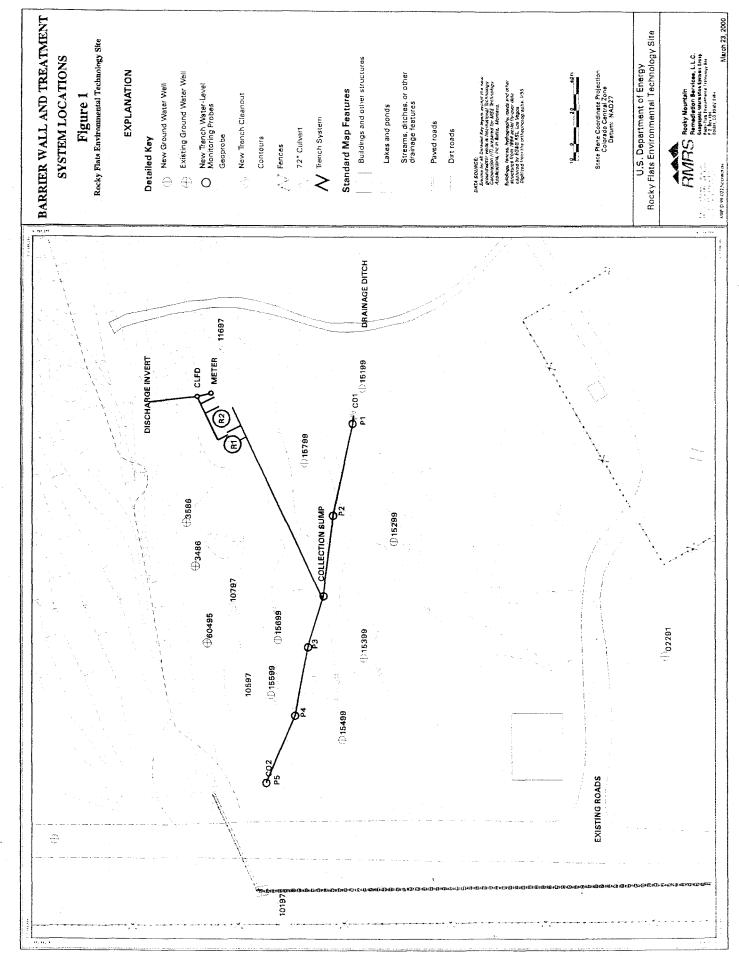
2.1 Project Events

Site personnel continue to rake the iron media in the two treatment cells. Quarterly water level monitoring and sample collection was performed by Tetra Tech for the EPA SITE Program. Monthly water level monitoring and sample collection was performed by the RFETS groundwater sampling team.

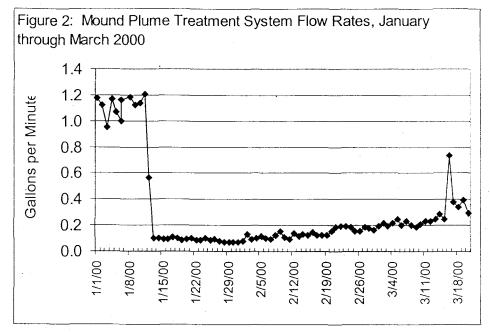
Each of the two treatment cells contain 4 feet of iron filings that act as the treatment medium for the contaminated water. The mixture of 10% iron and 90% pea gravel which was added to Reactor 1 on July 19, 1999 is easier to rake than the previous 50/50 mixture of gravel and iron. The media is being raked on a weekly basis and, to date, no additional crust appears to be forming. Probing beneath this layer indicates that a crust is not forming at depth.

2.2 Treatment Effectiveness

Treatment system flow rates for January through March are shown on Figure 2. The total volume of groundwater flow through the system as of March 20 was approximately 405,000 gallons. The volume for January through March was 34,523 gallons. The recorded flow rate ranged from 0.07







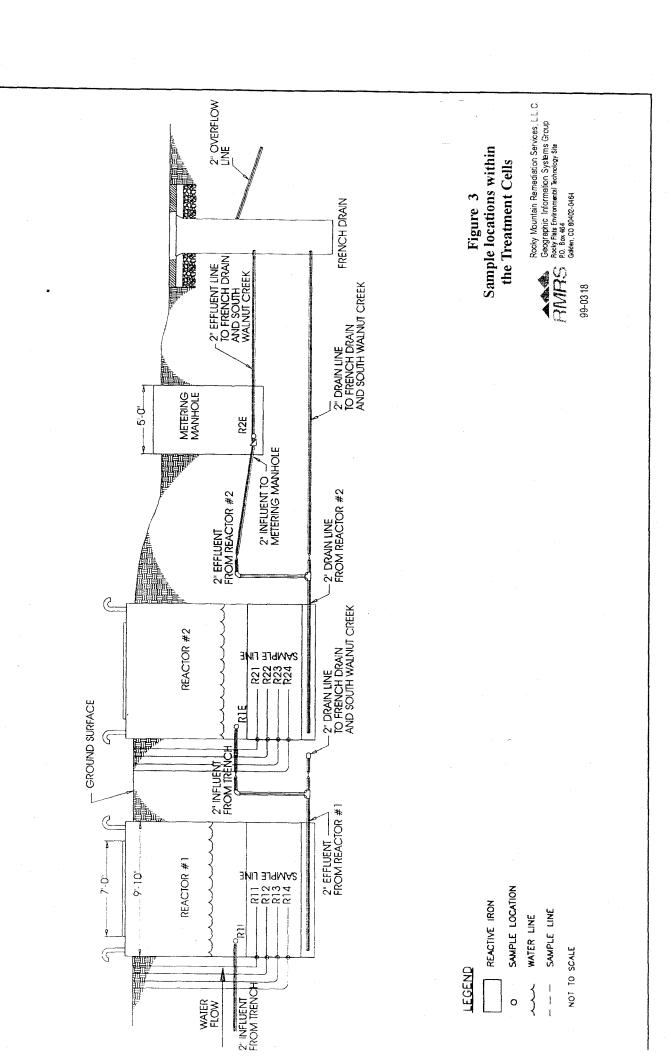
to 1.2 gallons per minute (gpm). The higher flow rates in January may indicate a temporary problem within the flow meter. The flow meters are now more closely monitored. The January average flow rate was 0.47 gpm, the February average flow rate was 0.14 gpm and the March average flow rate was 0.27 gpm. Water levels within the collection trench are monitored at five piezometers and were measured monthly. Water levels in the piezometers upgradient and downgradient of the collection trench were measured quarterly. Locations are shown on Figure 1 with the results shown in Table 1. The water levels in the collection trench piezometers remained constant for this time period.

Table 1. Mound Plume Piezometer Water Levels (in feet below top of casing)

Trench Piezometers				Upgradient/Do	wngradient F	Piezometers
	1/27/00	2/9/00	3/8/00		1/3/00	1/25/00
16199 (East)	Dry	Dry	Dry	15199	7.07	NM
16299	11.97	11.96	11.97	15299	11.18	NM
16399	9.45	9.44	9.45	15399	4.5	NM
16499	9.51	9.49	9.50	15499	4.13	NM
16599 (West)	12.46	12.47	12.46	15599	Dry	NM
Downgradient V	Vell			15699	9.57	9.63
	1/3/00	2/2/00	3/1/00	15799	10.80	10.80
3586	8.08	8.10	7.98			

NM = Not measured

Analytical results for the November 30, 1999, December 28, 1999 and January 27, 2000 sampling events were received this quarter. The results indicate that most of the volatile organic compounds (VOCs) and radionuclides are removed within the first two feet of reactive iron. Figure 3 shows the sampling locations within the treatment cells. Samples were not collected within the second treatment cell because of the efficiency with which the first treatment cell is removing contaminants. The sample results received this quarter are provided in Appendix A. Data have not been verified or validated and a data quality assessment has not been conducted.



2.2.1 November 30, 1999 Sampling Event

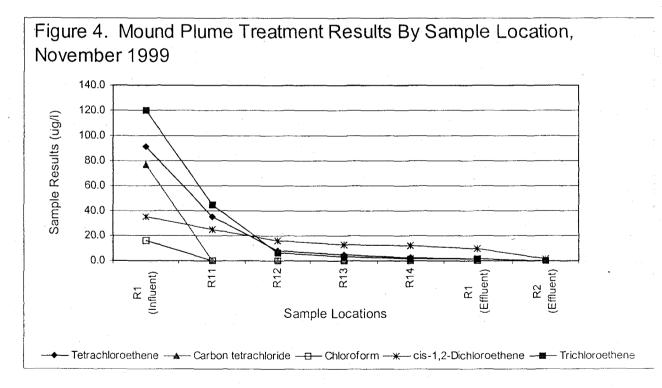
The influent contaminant concentrations were significantly reduced by the time the treated water leaves the system as shown in Table 2 and Figure 4. Most of the volatile organic compound contaminants are removed in the first treatment cell within the first two feet of the reactive media, and all contaminants are reduced below action levels at the effluent from the first reactor cell. The contaminants are generally not detectable at the effluent from the second reactor cell.

Table 2. Summary of the November 30, 1999 Sampling Event

Contaminant		Effluent from	Effluent from	RFCA
	Influent (R1I)	Reactor 1 (R1E)	Reactor 2 (R2E)	Groundwater
	Concentration	Concentrations	Concentrations	Tier 2 Action levels
	(ug/l)	(ug/l)	(ug/l)	(ug/l)
Trichloroethene	120	1.4	ND	5
Tetrachloroethene	91	1.9	ND	5
Carbon Tetrachloride	76.8	ND	ND	5
Chloroform	16	0.1	ND	100
Cis 1,2-Dichloroethene	35	10	1.8	70
1,1,1-Trichloroethane	6.2	ND	ND	200
1,1-Dichloroethene	8.4	1.1	ND	7
Total Uranium	12.2	0.04	NS	10 pCi/l (15 ug/l)

ND = Not detected at the detection limit for this analysis

NS = Not sampled at this location



Total uranium at the influent to the first treatment cell was 12.2 ug/l and declined to 0.04 ug/l at the effluent from the first treatment cell (Table 2). Using a conversion factor of 0.677 picoCuries per microgram (pCi/ug) provided by the laboratory that performed the analysis, these values equate to 8.14 pCi/l at the influent sample location and 0.03 pCi/l at the effluent sample location, well below Tier 2 action levels.

2.2.2 December 28, 1999 Sampling Event

The influent contaminant concentrations were significantly reduced by the time the treated water leaves the system as shown in Table 3 and Figure 5. Most of the volatile organic compound contaminants are removed in the first treatment cell within the first two feet of the reactive media, and all contaminants are reduced below action levels at the effluent from the first reactor cell. The contaminants are generally not detectable at the effluent from the second reactor cell, however, the detection limits for this sampling event were generally 5 ug/l.

Table 3. Summary of the December 28, 1999 Sampling Event

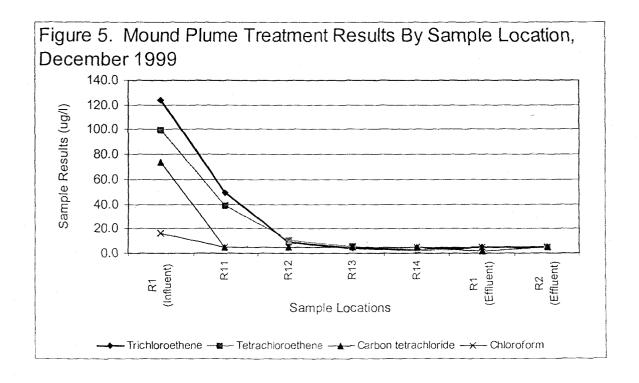
Contaminant	Influent (R1I)	Effluent from	Effluent from	RFCA
	Concentration	Reactor 1 (R1E)	Reactor 2 (R2E)	Groundwater
	(ug/l)	Concentrations	Concentrations	Tier 2 Action levels
		(ug/l)	(ug/l)	(ug/l)
Trichloroethene	124	ND	ND	5
Tetrachloroethene	99.2	2 J	ND	5
Carbon Tetrachloride	73.9	1.4 J	ND	5
Chloroform	16.3	ND	ND	100
Total Uranium	12.6	0.336	NS	10 pCi/l (15 ug/l)

ND = Not detected at the detection limit for this analysis

J = Detected at concentrations below the detection limit for this analysis

NS = Not sampled at this location

Total uranium at the influent to the first treatment cell was 12.6 ug/l and declined to 0.34 ug/l at the effluent from the first treatment cell (Table 3). Using a conversion factor of 0.677 picoCuries per microgram (pCi/ug) provided by the laboratory that performed the analysis, these values equate to 8.4 pCi/l at the influent sample location and 0.22 pCi/l at the effluent sample location, well below Tier 2 action levels. While the effluent sample appears higher than in similar sampling events, the duplicate sample was below detection limits.



2.2.3 January 26, 2000 Sampling Event

The influent contaminant concentrations were significantly reduced by the time the treated water leaves the system as shown in Table 4 and Figure 6. Most of the volatile organic compound contaminants are removed in the first treatment cell within the first two feet of the reactive media, and all contaminants are reduced below action levels at the effluent from the first reactor cell. Contaminants are generally not detectable at the effluent from the second reactor cell. Uranium activities have not yet been received from the laboratory for this event.

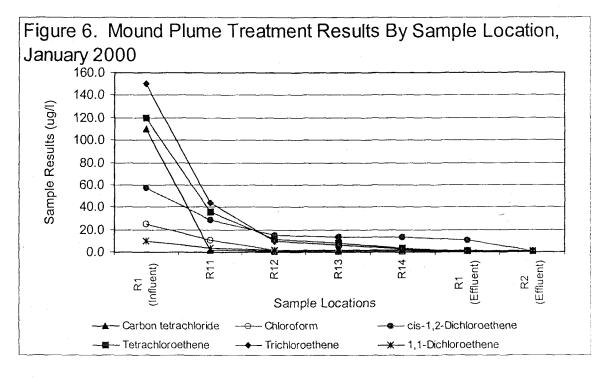
Table 4. Summary of the January 26, 2000 Sampling Event

Contaminant	Influent (R1I)	Reactor 1 Effluent	Reactor 2 Effluent	RFCA Groundwater
	Concentration	(R1E)	(R2E)	Tier 2 Action Levels
	(ug/l)	Concentration (ug/l)	Concentration (ug/l)	(ug/l)
Trichloroethene	150	ND	ND	- 5
Tetrachloroethene	120	ND	0.1 J	5
Carbon Tetrachloride	110	ND	ND	5
Chloroform	25	2.0	ND	100
Cis 1,2-Dichloroethene	57	3	1	70
1,1-Dichloroethene	10	ND	ND	7
Total Uranium	NR	NR	NR	10 pCi/l

ND = Not detected at the detection limit for this analysis

J = Detected at concentrations below the detection limit for this analysis

NR = Analyses not yet received



2.3 Conclusions

The Mound Site Plume Treatment Project is fully operational and treating contaminated groundwater below specified system performance requirements. Ongoing maintenance, raking the iron media and retrieving flow rate and water level data are the only required activities.

Monthly sampling will continue to verify the performance of the treatment system. For the next quarter, no changes in the system are expected.

3.0 EAST TRENCHES PLUME TREATMENT SYSTEM

The East Trenches Plume Treatment System collects and treats the contaminated groundwater from Trench 3 and Trench 4 to the Groundwater Action Level Framework Tier 2 level concentrations defined in the RFCA (DOE, 1996). The sources for the contaminated groundwater plume were remediated in 1996 as an accelerated action.

Installation of the 1,200-foot long collection system along with the two reactive iron treatment cells was completed in September 1999 and the components of the system are shown on Figure 7. The system is similar to the collection and treatment system installed for the Mound Plume. This system requires little maintenance, and will provide long-term protection of surface water by collecting and treating the contaminated groundwater before it reaches South Walnut Creek.

3.1 Project Events

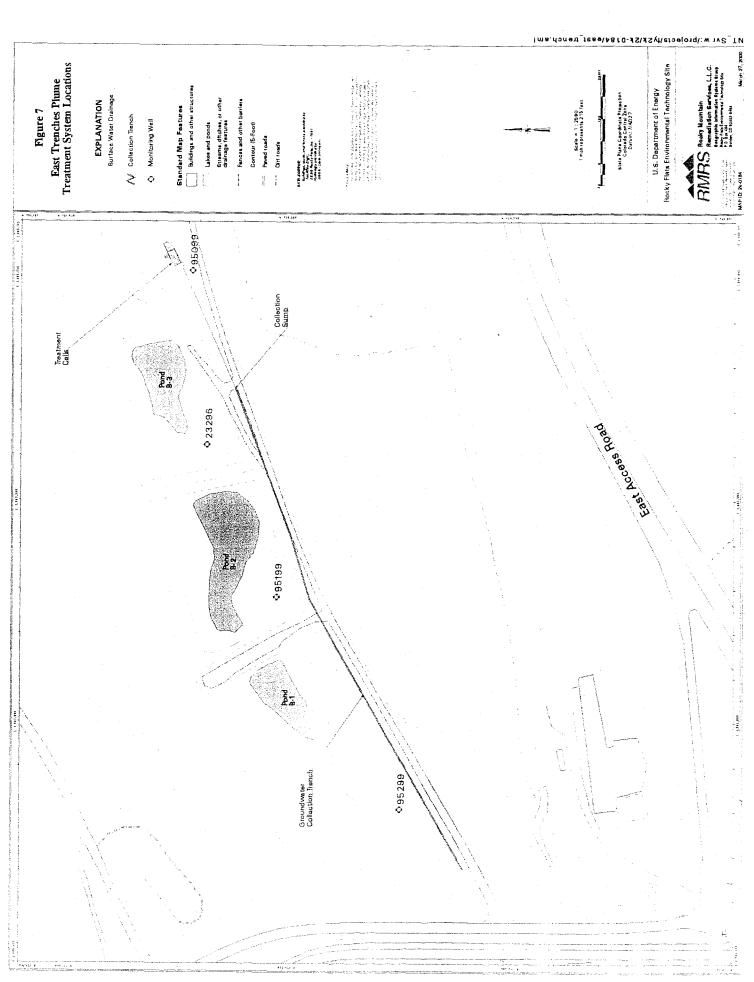
Raking of the iron media in the two treatment cells began during installation of the system and continues on a weekly basis. Maintenance of the system along with water level monitoring and sample collection are performed by Rocky Flats staff.

3.2 Treatment Effectiveness

Analytical samples are collected monthly at the influent and effluent of the treatment system to monitor treatment effectiveness. Sample results were received this quarter for the November 1999, December 1999 and January 2000 sampling events.

The contaminants of concern for this plume are primarily trichloroethene, tetrachloroethene and carbon tetrachloride. These are reduced to below detection limit concentrations at the effluent from the treatment system. Cis-1,2-dichloroethene is present in all influent samples, but at slightly elevated concentrations in the effluent. It is a reductive dechlorination product of trichloroethene. Concentrations are still well below RFCA Tier 2 action levels. Methylene chloride is found in the influent and continues to be above action levels in all three effluent samples, but also occurs in the laboratory blanks. As the concentrations are less than 10 times the detection limit, the presence of methylene chloride is probably due to laboratory contamination. Details of these sampling events are provided below.

Treatment system flow rates for January through March are shown on Figure 8. Total flow volume through the system as of March 21, 2000 was approximately 1,831,500 gallons with total flow for the period January through March approximately 672,500 gallons. The recorded flow rate from the treatment system ranged from 5 to 7 gpm and averaged 5.8 gpm.



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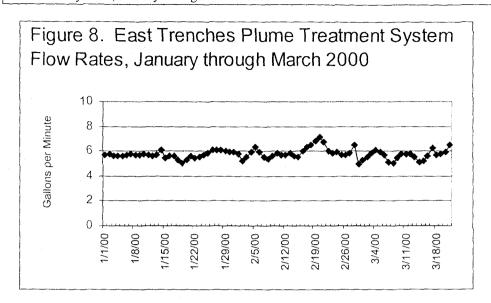


Table 5. East Trenches Plume Piezometer and Well Water Levels (in feet below top of casing)

Trench Piezometers			Groundwater Wells				
	1/3/00	2/2/00	3/1/00		1/3/00	2/2/00	3/1/00
95699 (East)	Dry	Dry	Dry	95099	13.7	13.68	13.86
95799	10.18	11.6	11.85	95199	9.82	10.14	10.4
95899	20.72	20.86	20.90	95299	Dry	Dry	Dry
				23296	5.45	5.41	5.40

NM = Not measured

3.2.1 November 1999 Sampling Event

Samples were collected on November 16, 1999 from the influent and effluent of the treatment system to verify that the water collected and treated was meeting action levels and analytical results are shown in Table 6. All contaminants were reduced to levels below the RFCA Action Levels with the exception of methylene chloride, which was above action levels in the effluent and also occurs in the laboratory blanks. As the concentrations are less than 10 times the detection limit, the presence of methylene chloride is probably due to laboratory contamination.

Table 6. November 1999 Sample Results

	Influent	Effluent	RFCA Groundwater
Compound	Concentration (ug/l)	Concentration (ug/l)	Tier 2 Action Levels (ug/l)
Trichloroethene	3,600	2 J	5
Tetrachloroethene	300	ND	5
Carbon Tetrachloride	150 J	ND	5
Chloroform	110 J	13	100
Cis-1,2-Dichloroethene	31	33 E	70
Methylene chloride	95 B	12 B	5

J = Detected at concentrations below the detection limit for this analysis

B = Detected in blank

ND = Not detected at the detection limit for this analysis

E = Detected above calibration limit for analysis

3.2.2 December 1999 Sampling Event

The treatment system was sampled December 6, 1999. Results are provided in below in Table 7 and in Appendix B. All contaminants were reduced to levels below the RFCA Action Levels with the exception of methylene chloride, which was above action levels in the effluent and also occurs in the laboratory blanks. As the concentrations are less than 10 times the detection limit, the presence of methylene chloride is probably due to laboratory contamination.

Table 7. December Sample Results

	Influent	Effluent	RFCA Groundwater
Compound	Concentration (ug/l)	Concentration (ug/l)	Tier 2 Action Levels (ug/l)
Trichloroethene	3,200	2 J	5
Tetrachloroethene	280	ND	5
Carbon Tetrachloride	170	ND	5
Chloroform	100	16	100
Cis-1,2-Dichloroethene	25 J	38	70
Methylene chloride	130 B	11 B	5

B = Detected in blank

3.2.3 January 2000 Sampling Event

Site personnel collected samples on January 18, 2000. The influent contaminant concentrations were significantly reduced by the time the treated water leaves the system as shown in Table 8. Contaminants are generally not detectable at the effluent from the second reactor cell. Methylene chloride is present in the effluent above the action levels, and also occurs in the laboratory blanks. As the concentrations are less than 10 times the detection limit, the presence of methylene chloride is most likely a result of laboratory contamination.

Table 8. January 2000 Sample Results

	Influent	Effluent	RFCA Groundwater
Compound	Concentration (ug/l)	Concentration (ug/l)	Tier 2 Action Levels (ug/l)
Trichloroethene	3,500	1 J	5
Tetrachloroethene	320	ND	5
Carbon Tetrachloride	200	ND	5
Chloroform	110	ND	100
Cis-1,2-Dichloroethene	29 J	32	70
Methylene chloride	48 JB	12 B	5.

B = Detected in blank

3.3 Conclusions

The East Trenches Plume Treatment System is fully operational and treating contaminated groundwater to below the specified system performance requirements. Ongoing maintenance, raking the iron filings and retrieving flow rate and water level data are the only required activities. Monthly sampling will continue to verify the performance of the treatment system. For the next quarter, no changes in the system are expected.

J = Detected below the detection limit for analysis

U = Analyte not detected at detection limit

J = Detected below the detection limit for analysis

ND = Not detected at the detection limit for this analysis

4.0 SOLAR PONDS PLUME TREATMENT SYSTEM

The Solar Ponds Plume is a plume of low-level nitrate and uranium contaminated groundwater, derived from storage and evaporation of radioactive and hazardous liquid wastes in the Solar Evaporation Ponds. These ponds were drained and sludge removal was completed in 1995. To dewater the hillside, six interceptor trenches were installed in 1971. The original six trenches were abandoned in place and the Interceptor Trench System (ITS) was installed in 1981. Installation of the 1,100-foot long collection system and passive treatment cell containing iron and wood chips was completed in September 1999 and the components of the system are shown on Figure 9. This system intercepts the water collected by the pre-existing ITS.

The maintenance requirements for the wood chip/iron media consist of water level monitoring and sample collection which are performed by Rocky Flats staff. Raking or other manipulation of the media is not expected to be required based on information from other, similar systems. Media replacement is expected to be required in 10 years.

The Solar Ponds Plume system is different from the passive, flow-through systems installed for the Mound Plume and East Trenches Plume. As originally designed, the treatment cell was located near North Walnut Creek. Water was expected to be intercepted and flow by gravity to the treatment cell without retention in the collection trench. Because the Preble's Meadow Jumping Mouse (a Federally Listed Threatened Species) is present at the optimal location of a flow-through treatment cell, the treatment cell was located immediately adjacent to the collection trench, not 400 feet downgradient as was originally planned. As a result, the collection trench for this system must hold approximately 11 feet of groundwater to develop sufficient hydraulic head for the groundwater to flow into the treatment cell.

4.1 Project Events

The Solar Ponds Plume system is currently collecting nitrate and uranium-contaminated groundwater from the Solar Ponds Plume. However, water is being lost from the collection trench and reaching surface water, causing a rise in nitrate and uranium levels in North Walnut Creek. While the RFCA Surface Water Action Level for nitrate is 100 mg/l, during the January discharge of water from Pond A-3, the NPDES 30-day average 10 mg/l nitrate limitation for the Pond A-3 Outfall was exceeded. Investigation into the cause of the water loss is proceeding. Utility drawings were re-examined, but water loss along utilities including the storm drain immediately west of the collection trench is unlikely.

Water levels from the new Solar Ponds monitoring wells provide the most details. Other wells are not close enough for evaluating the cause of the water loss. Depth to water are provided in the below and well locations are shown on Figure 9.

Table 9. Depth to Groundwater in Solar Ponds System Wells (in feet below top of casing)

Well	1/3/00	2/2/00	3/1/00
70099	20.11	19.55	19.06
70299	20.48	20.35	20.41

Discharge of Pond A-4 occurred at the end of February. The Pond A-4 Outfall is a Point-of-Compliance for uranium, and there was a concern that uranium activities may approach the Surface Water Action Level of 10 pCi/l due to the discharge of Solar Ponds Plume water into this



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drainage. However, samples collected during discharge contained uranium activities of approximately 3 pCi/l, well below the action levels.

Groundwater levels in the collection trench rise in response to precipitation. The precipitation that occurred in mid- to late-March resulted in flow into the treatment cell. However, as shown on Figure 10, instead of constantly rising, the groundwater levels within the collection trench are fluctuating. The piezometers were resurveyed to obtain more accurate water levels.

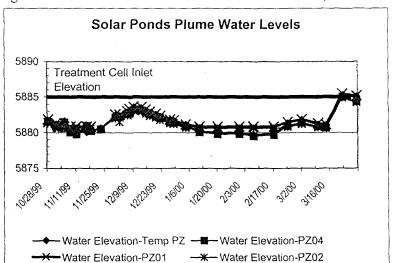
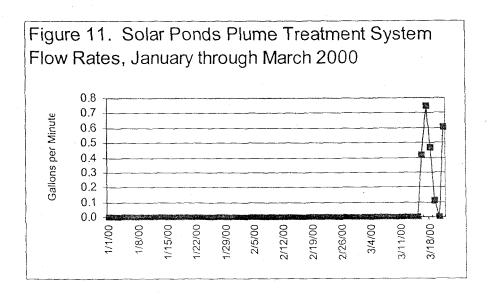


Figure 10. Solar Ponds Plume Collection Water Levels, October to March

4.2 Treatment Effectiveness

Groundwater recently was verified to flow into the treatment cell and a sufficient sample for a nitrate analysis was collected from the effluent at the end of March. The treatment system flow rates for January through March are shown on Figure 8. Flow was first noted on March 16, and by March 21, the total flow volume was approximately 3,400 gallons. The recorded flow rate from the treatment system ranged from 0 to 0.7 gpm and averaged 0.1 gpm during flow periods.



Analytical samples are collected from the treatment cell influent location monthly, and the North Walnut Creek surface water location GS13 and Pond A-3 are currently monitored frequently as shown on Tables 9 and 10. Nitrate concentrations in North Walnut Creek (GS13 location) are currently in the 20 to 30 mg/l range. Nitrate concentrations in Pond A-3 are fluctuating between 10 to 20 mg/l with an average around 12 mg/l. The field nitrate values are collected to provide an early indication if a surface water standard might be exceeded, however as shown in the table below, the field nitrates only provide an order-of magnitude indication of nitrate concentrations. The RFCA Surface Water Action Level for nitrate is 100 mg/l and this is the action level stated in the Solar Ponds Plume Decision Document (DOE 1999). However, as previously noted, the NPDES nitrate limitation at Pond A-3 Outfall is 10 mg/l. The new NPDES permit, currently out for public comment, is expected to remove this limitation.

Table 10. Solar Ponds Plume Nitrate Results - Surface Water Locations

	GS 13 Nitrate ~	GS13 Nitrate –	Pond A-3	Pond A-3
Date Sampled	Field method	laboratory	Nitrate - Field	Nitrate -
	(mg/l)	analysis (mg/l)	method (mg/l)	laboratory
				analysis (mg/l)
December 7, 1999	7.5	13	6.3	6.3
December 9, 1999	1.3	20	<0.01	8.1
December 14, 1999	8.7	24	4.8	7.8
December 15, 1999	9.8	32	4.8	10
December 20, 1999	9.4	29	8.4	9.5
December 22, 1999	10.5	24	8.4	9.8
December 27, 1999	12.3	24	7.1	8.9
December 29, 1999	14.9	25	7.3	7.2
January 6, 2000	9.9	34	-	12
January 13, 2000	6	29	5.4	11
January 18, 2000	15.2		10.2	-
January 20, 2000	11.8	39	10.2	12
January 24, 2000*	•	-	9.9	16
January 25, 2000*	,	-	8.3	12
January 26, 2000*		-	11.8	20
January 27, 2000*	9.4	26	9.4	18
January 28, 2000*	-	-	7.4	12
February 3, 2000	11.6	25	4.7	13
February 10, 2000	10.5	34	6.2	14
February 17, 2000	10.9	28	7.5	12
February 24, 2000	11.7	23	9.1	14
February 29, 2000	11.2	23	6.5	13
March 9, 2000	12.7	24	6.5	11

^{* =} Samples collected during discharge of Pond A-3

Field nitrate measurements were collected sporadically at several locations with the results as follows:

•	12/28/99	Discharge g	gallery-280 mg/L	ITS Sump-39 r	mg/l and ITS Seep-26 mg/l	1
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-	Laradiyy	Discharge gamery-200 mg/1,
•	2/29/00	Discharge gallery-242 mg/l
•	3/9/00	Discharge gallery-152 mg/l
•	3/16/00	Discharge gallery-107 mg/l
•	3/27/00	Discharge gallery-206 mg/l

These data indicate that the water discharging into North Walnut Creek is a result of water from the Solar Ponds Plume, while the water in the ITS Sump and nearby seep are not derived from the same water source. The ITS Sump was examined this quarter and several small openings were

^{- =} not sampled

noted that contribute small quantities of relatively clean water into the Sump. These openings are probably related to the finger drains noted during construction that were used for draining the hillside before installation of the ITS. The water level in the Sump is rising, and this water may eventually overflow, contributing cleaner water to the discharge gallery area.

Table 11. Solar Ponds Plume Analytical Results – Influent and GS13

Date Sampled and Compound			RFCA Surface
	Influent	GS13	₩ater
			Action Levels
December 30, 1999			
Nitrate – Field method (mg/l)	154	-	100
Nitrate – laboratory analysis (mg/l)	170	-	100
Uranium 233,234 (pCi/l)	13.0 ± 1.78	3.7 ± 0.72	10*
Uranium 235 (pCi/l)	0.43 ± 0.26	0.19 ±0.16	10*
Uranium 238 (pCi/l)	10.1 ± 1.49	4.10 ± 0.77	_ 10*
Total Uranium (calculated)	23.53	8	10
January 27, 2000			
Nitrate – Field method (mg/l)	102	9.4	100
Nitrate – laboratory analysis (mg/l)	160	26	100
Uranium 233,234 (pCi/l)	15.9 ± 2.3	3.01 ± 0.64	10*
Uranium 235 (pCi/l)	0.73 ± 0.39	0.04 ±0.11	10*
Uranium 238 (pCi/l)	11 ± 1.76	3.74 ± 0.73	10*
Total Uranium (calculated)	27.63	6.79	10

Total Uranium action level

4.3 Conclusions

The start of the high precipitation season resulted in flow into the treatment cell as anticipated. The system will be evaluated during this season (second quarter 2000). Nitrate and uranium concentrations in North Walnut Creek are still below the RFCA action levels and below the decision point values specified in the Decision Document (DOE 1999). However, pumping the groundwater from the collection trench to the treatment cell is being evaluated if required to protect surface water.

5.0 REFERENCES

DOE, 1996, Final Rocky Flats Cleanup Agreement, Rocky Flats Environmental Technology Site, Golden, CO, July.

DOE, 1997, Final Mound Site Plume Decision Document, RF/RMRS-97-024, September.

DOE, 1999, Final Solar Ponds Plume Decision Document, RF/RMRS-98-286.UN, June.

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Quarterly Report for the Rocky Flats Groundwater Plume Treatment Systems, January through March 2000 March 30, 2000 Appendix A

Appendix A – Mound Plume Analytical Data

Appendix A-Mound Plume Data, December Sampling Event

Sample				140
* Number/Location 🔾	Collection Date	Compound	Result -	Units
ETI-R10-S-01-122899	28-Dec-99	1,2-Dichloroethane	.72 DJ	ug/L
ETI-R10-S-01-122899	28-Dec-99	1,1-Dichloroethane	1.5 DJ	ug/L
ETI-R10-S-01-122899	28-Dec-99	Trichloroethene	124 D	ug/L
ETI-R10-S-01-122899	28-Dec-99	Chloroform	17.1 D	ug/L
ETI-R10-S-01-122899	28-Dec-99	1,1,1-Trichloroethane	5.8 DJ	ug/L
ETI-R10-S-01-122899	28-Dec-99	1,1-Dichloroethene	7.9 DJ	ug/L
ETI-R10-S-01-122899	28-Dec-99	Carbon tetrachloride	78.9 D	ug/L
ETI-R10-S-01-122899	28-Dec-99	Tetrachloroethene	98.2 D	ug/L
ETI-R11-S-01-122899	28-Dec-99	Tetrachloroethene	40.1	ug/L
ETI-R11-S-01-122899	28-Dec-99	Trichloroethene	47.6	ug/L
ETI-R11-S-01-122899	28-Dec-99	Chloroform	.21 J	ug/L
ETI-R11-S-01-122899	28-Dec-99	1,2-Dichloroethane	.56 J	ug/L
ETI-R11-S-01-122899	28-Dec-99	Carbon disulfide	.82 J	ug/L
ETI-R11-S-01-122899	28-Dec-99	1,1,1-Trichloroethane	.98 J	ug/L
ETI-R11-S-01-122899	28-Dec-99	1,1-Dichloroethane	2.0 J	ug/L
ETI-R11-S-01-122899	28-Dec-99	1,1-Dichloroethene	4.5 J	ug/L
ETI-R12-S-01-122899	28-Dec-99	Benzene	0.2	ug/L
ETI-R12-S-01-122899	28-Dec-99	1,2-Dichloroethane	0.56	ug/L
ETI-R12-S-01-122899	28-Dec-99	1,1-Dichloroethane	2.1	ug/L
ETI-R12-S-01-122899	28-Dec-99	1,1-Dichloroethene	2.4	ug/L
ETI-R12-S-01-122899	28-Dec-99	Trichloroethene	9.1	ug/L
ETI-R12-S-01-122899	28-Dec-99	Tetrachloroethene	10.3	ug/L
ETI-R13-S-01-122899	28-Dec-99	Carbon disulfide	0.96	ug/L
ETI-R13-S-01-122899	28-Dec-99	Benzene	.19 J	ug/L
ETI-R13-S-01-122899	28-Dec-99	1,2-Dichloroethane	.52 J	ug/L
ETI-R13-S-01-122899	28-Dec-99	1,1-Dichloroethene	1.9 J	ug/L
ETI-R13-S-01-122899	28-Dec-99	1,1-Dichloroethane	2.0 J	ug/L
ETI-R13-S-01-122899	28-Dec-99	Trichloroethene	4.2 J	ug/L
ETI-R14-S-01-122899	28-Dec-99	Benzene	.18 J	ug/L
ETI-R14-S-01-122899	28-Dec-99	1,2-Dichloroethane	.48 J	ug/L
ETI-R14-S-01-122899	28-Dec-99	1,1-Dichloroethene	1.4 J	ug/L
ETI-R14-S-01-122899	28-Dec-99	1,1-Dichloroethane	2.0 J	ug/L
ETI-R14-S-01-122899	28-Dec-99	Trichloroethene	2.3 J	ug/L
ETI-R14-S-01-122899	28-Dec-99	Tetrachloroethene	3.2 J	ug/L
ETI-R1E-S-01-122899	28-Dec-99	Benzene	.18 J	ug/L
ETI-R1E-S-01-122899	28-Dec-99	1,2-Dichloroethane	.45 J	ug/L
ETI-R1E-S-01-122899	28-Dec-99	1,1-Dichloroethene	1.1 J	ug/L
ETI-R1E-S-01-122899	28-Dec-99	Trichloroethene	1.4 J	ug/L
ETI-R1E-S-01-122899	28-Dec-99	1,1-Dichloroethane	1.7 J	ug/L
ETI-R2E-S-01-122899	28-Dec-99	Benzene	.21 J	ug/L
ETI-R2E-S-01-122899	28-Dec-99	1,2-Dichloroethane	.34 J	ug/L
ETI-R2E-S-01-122899	28-Dec-99	1,1-Dichloroethane	1.4 J	ug/L
ETI-R2E-S-01-122899	28-Dec-99	Acetone	2.3 JB	ug/L

COLUMN STREET, NO. 1		San barrier and Philipping Commercial Commer						
Location	Sample Analyte Date		Result	Unit	Lab	Validation Qualifier	Detection Limit	Dilution Factor
A BALL OF	Control of the second	4.1			de-glass and			Tactor
MOUND R1-0 MOUND R1-1	1/27/00 1,1,1,2-TETRACHLO			UG/L	U		10	10
MOUND R1-1	1/26/00 1,1,1,2-TETRACHLO 1/26/00 1,1,1,2-TETRACHLO				U		1	1
MOUND R1-3	1/26/00 1,1,1,2-TETRACHLO	ROETHANE	1	UG/L	U		1 .	1
MOUND R1-4	1/26/00 1,1,1,2-TETRACHLO				U			1
MOUND R1-E MOUND R2-E	1/26/00 1,1,1,2-TETRACHLO 1/27/00 1,1,1,2-TETRACHLO				U U		1	1
MOUND R1-0	1/27/00 1,1,1,2-1E1RACHEO		8		J			10
MOUND R1-1	1/26/00 1,1,1-TRICHLOROE		1	UG/L	J		2	2
MOUND R1-2	1/26/00 1,1,1-TRICHLOROET		1		U		1	1
MOUND R1-3 MOUND R1-4	1/26/00 1,1,1-TRICHLOROET				U U		1	1
MOUND R1-E	1/26/00 1,1,1-TRICHLOROE				Ü		1	1
MOUND R2-E	1/27/00 1,1,1-TRICHLOROE	THANE	1	UG/L	U		1	1
MOUND R1-0	1/27/00 1,1,2,2-TETRACHLO				U		10	10
MOUND R1-1 MOUND R1-2	1/26/00 1,1,2,2-TETRACHLO 1/26/00 1,1,2,2-TETRACHLO				U .		1	1
MOUND R1-3	1/26/00 1,1,2,2-TETRACHLO	ROETHANE	1		U		1	1
MOUND R1-4	1/26/00 1,1,2,2-TETRACHLO	ROETHANE	1	UG/L	U		1	1
MOUND R1-E	1/26/00 1,1,2,2-TETRACHLO				U		1	1
MOUND R2-E MOUND R1-0	1/27/00 1,1,2,2-TETRACHLO 1/27/00 1,1,2-TRICHLOROE		10		U U		10	10
MOUND R1-0	1/26/00 1,1,2-TRICHLOROE		2		U			2
MOUND R1-2	1/26/00 1,1,2-TRICHLOROE			UG/L	U		1	1
MOUND R1-3	1/26/00 1,1,2-TRICHLOROE		1		U			1
MOUND R1-4 MOUND R1-E	1/26/00 1,1,2-TRICHLOROE		1		U U		1	1
MOUND R2-E	1/27/00 1,1,2-TRICHLOROE		1		Ŭ		1	1
MOUND R1-0	1/27/00 1,1-DICHLOROETHA			UG/L	J		10	10
MOUND R1-1	1/26/00 1,1-DICHLOROETHA		2	UG/L				2
MOUND R1-2 MOUND R1-3	1/26/00 1,1-DICHLOROETHA 1/26/00 1,1-DICHLOROETHA		3	UG/L UG/L				1
MOUND R1-4	1/26/00 1,1-DICHLOROETHA			UG/L				1
MOUND R1-E	1/26/00 1,1-DICHLOROETHA			UG/L			1	1
MOUND R2-E	1/27/00 1,1-DICHLOROETHA		1	UG/L			1	1
MOUND R1-0 MOUND R1-1	1/27/00 1,1-DICHLOROETHE 1/26/00 1,1-DICHLOROETHE		10 4	UG/L UG/L			10	10
MOUND R1-2	1/26/00 1,1-DICHLOROETHE		2	UG/L			1	1
MOUND R1-3	1/26/00 1,1-DICHLOROETHE	NE	2	UG/L			1	1
MOUND R1-4	1/26/00 1,1-DICHLOROETHE		2	UG/L			1	1
MOUND R1-E MOUND R2-E	1/26/00 1,1-DICHLOROETHE 1/27/00 1,1-DICHLOROETHE		1	UG/L UG/L	U		1	1
MOUND R1-0	1/27/00 1,1-DICHLOROPRO		10	UG/L	Ü		10	10
MOUND R1-1	1/26/00 1,1-DICHLOROPRO		2	UG/L	U		2	2
MOUND R1-2	1/26/00 1,1-DICHLOROPROI				U			1
MOUND R1-3 MOUND R1-4	1/26/00 1,1-DICHLOROPROI 1/26/00 1,1-DICHLOROPROI		1	UG/L UG/L	U		1	1
MOUND R1-E	1/26/00 1,1-DICHLOROPRO		1		υ		1	1
MOUND R2-E	1/27/00 1,1-DICHLOROPRO	PENE	1	UG/L	U		1	1
MOUND R1-0	1/27/00 1,2,3-TRICHLOROBI		10 ·		U		10	10
MOUND R1-1 MOUND R1-2	1/26/00 1,2,3-TRICHLOROBI 1/26/00 1,2,3-TRICHLOROBI		2 1	UG/L UG/L	U U			1
MOUND R1-3	1/26/00 1,2,3-TRICHLOROBI			UG/L	U		1	1
MOUND R1-4	1/26/00 1,2,3-TRICHLOROBI	ENZENE	1	UG/L	U		1	1
MOUND R1-E	1/26/00 1,2,3-TRICHLOROBI		1		U			1
MOUND R2-E MOUND R1-0	1/27/00 1,2,3-TRICHLOROBI 1/27/00 1,2,3-TRICHLOROPI		10	UG/L UG/L	U			10
MOUND R1-1	1/26/00 1,2,3-TRICHLOROPI			UG/L	U		2	2
MOUND R1-2	1/26/00 1,2,3-TRICHLOROPI	ROPANE	1	UG/L	U		1	1
MOUND R1-3	1/26/00 1,2,3-TRICHLOROPI		1	UG/L	U			1
MOUND R1-4 MOUND R1-E	1/26/00 1,2,3-TRICHLOROPI 1/26/00 1,2,3-TRICHLOROPI		1	UG/L UG/L	U			1
MOUND R2-E	1/27/00 1,2,3-TRICHLOROP				υ			1
MOUND R1-0	1/27/00 1,2,4-TRICHLOROB	ENZENE	10	UG/L	U		10	10
MOUND R1-1	1/26/00 1,2,4-TRICHLOROB	ENZENE		UG/L	U			1
MOUND R1-2 MOUND R1-3	1/26/00 1,2,4-TRICHLOROB 1/26/00 1,2,4-TRICHLOROB		1	UG/L UG/L	U			1
MOUND R1-3	1/26/00 1,2,4-TRICHLOROB		1	UG/L	U		1	1
MOUND R1-E	1/26/00 1,2,4-TRICHLOROB	ENZENE	1	UG/L	U			1
MOUND R2-E	1/27/00 1,2,4-TRICHLOROB		1	UG/L	U			10
MOUND R1-0 MOUND R1-1	1/27/00 1,2-DIBROMOETHA 1/26/00 1,2-DIBROMOETHA		10	UG/L UG/L	U		2	2
MOUND R1-2	1/26/00 1,2-DIBROMOETHA		1	UG/L	U		1	1
MOUND R1-3	1/26/00 1,2-DIBROMOETHA	NE .	1	UG/L	U		1	:1
MOUND R1-4	1/26/00 1,2-DIBROMOETHA	NE	1	UG/L	U		1	.1

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Location	Sample Analyte	Resul	t Unit	as Lab	Validation	Detection	Dilution
1	Date		100	Qualitie _r	Qualifier	Limit	Factor
MOUND R1-E	1/26/00 1,2-DIBROMOETHANE	1	UG/L	U		1	1
MOUND R2-E MOUND R1-0	1/27/00 1,2-DIBROMOETHANE	1	UG/L	U		1	1
MOUND R1-1	1/27/00 1,2-DICHLOROBENZENE 1/26/00 1,2-DICHLOROBENZENE	10	UG/L UG/L	U		2	10
MOUND R1-2	1/26/00 1,2-DICHLOROBENZENE	1	UG/L	Ü		1	1
MOUND R1-3 MOUND R1-4	1/26/00 1,2-DICHLOROBENZENE 1/26/00 1,2-DICHLOROBENZENE	1	UG/L	U		1	1
MOUND R1-E	1/26/00 1,2-DICHLOROBENZENE	1	UG/L UG/L	U		1	1
MOUND R2-E	1/27/00 1,2-DICHLOROBENZENE	1	UG/L	Ū		1	1
MOUND R1-0 MOUND R1-1	1/27/00 1,2-DICHLOROBENZENE-D4 1/26/00 1,2-DICHLOROBENZENE-D4	94	%REC				10
MOUND R1-2	1/26/00 1,2-DICHLOROBENZENE-D4	102 88	%REC %REC	-			1
MOUND R1-3	1/26/00 1,2-DICHLOROBENZENE-D4	96	%REC				1
MOUND R1-4 MOUND R1-E	1/26/00 1,2-DICHLOROBENZENE-D4 1/26/00 1,2-DICHLOROBENZENE-D4	97 92	%REC %REC	 			1
MOUND R2-E	1/27/00 1,2-DICHLOROBENZENE-D4	91	%REC	 			1
MOUND R1-0	1/27/00 1,2-DICHLOROETHANE	1	UG/L	J		10	10
MOUND R1-1 MOUND R1-2	1/26/00 1,2-DICHLOROETHANE 1/26/00 1,2-DICHLOROETHANE	1	UG/L UG/L	J		2	2
MOUND R1-3	1/26/00 1,2-DICHLOROETHANE	1	UG/L	-		1	1
MOUND R1-4	1/26/00 1,2-DICHLOROETHANE	1	UG/L			1	1
MOUND R1-E MOUND R2-E	1/26/00 1,2-DICHLOROETHANE 1/27/00 1,2-DICHLOROETHANE	0.7	UG/L UG/L	J	· ·	1	1
MOUND R1-0	1/27/00 1,2-DICHLOROPROPANE	10.5	UG/L UG/L	U		10	10
MOUND R1-1	1/26/00 1,2-DICHLOROPROPANE	2	UG/L	U		2	2
MOUND R1-2 MOUND R1-3	1/26/00 1,2-DICHLOROPROPANE 1/26/00 1,2-DICHLOROPROPANE	1	UG/L UG/L	U		1	1
MOUND R1-4	1/26/00 1,2-DICHLOROPROPANE	1	UG/L	Ü		1	1
MOUND R1-E	1/26/00 1,2-DICHLOROPROPANE	1	UG/L	Ū		1	1
MOUND R2-E MOUND R1-0	1/27/00 1,2-DICHLOROPROPANE 1/27/00 1,3-DICHLOROBENZENE	10	UG/L UG/L	U		1	1
MOUND R1-1	1/26/00 1,3-DICHLOROBENZENE	2	UG/L	U		10 2	10 2
MOUND R1-2	1/26/00 1,3-DICHLOROBENZENE	1	UG/L	U		1	1
MOUND R1-3 MOUND R1-4	1/26/00 1,3-DICHLOROBENZENE 1/26/00 1,3-DICHLOROBENZENE	1 1	UG/L UG/L	U U		1	1
MOUND R1-E	1/26/00 1,3-DICHLOROBENZENE	1	UG/L	Ü		1	1
MOUND R2-E	1/27/00 1,3-DICHLOROBENZENE	1	UG/L	Ü		1	1
MOUND R1-0 MOUND R1-1	1/27/00 1,3-DICHLOROPROPANE 1/26/00 1,3-DICHLOROPROPANE	2	UG/L UG/L	U		2	10
MOUND R1-2	1/26/00 1,3-DICHLOROPROPANE	1	UG/L	U ·		1	1
MOUND R1-3	1/26/00 1,3-DICHLOROPROPANE	1	UG/L	U		1	1
MOUND R1-4 MOUND R1-E	1/26/00 1,3-DICHLOROPROPANE 1/26/00 1,3-DICHLOROPROPANE	1	UG/L UG/L	U U		1	1
MOUND R2-E	1/27/00 1,3-DICHLOROPROPANE	1	UG/L	Ü			1
MOUND R1-0	1/27/00 1,4-DICHLOROBENZENE	10	UG/L	U		10	10
MOUND R1-1 MOUND R1-2	1/26/00 1,4-DICHLOROBENZENE 1/26/00 1,4-DICHLOROBENZENE	2	UG/L UG/L	U U			1
MOUND R1-3	1/26/00 1,4-DICHLOROBENZENE	1	UG/L	0			1
MOUND R1-4	1/26/00 1,4-DICHLOROBENZENE	1	UG/L	U		1	1
MOUND R1-E MOUND R2-E	1/26/00 1,4-DICHLOROBENZENE 1/27/00 1,4-DICHLOROBENZENE	0.1	UG/L UG/L	J			1
MOUND R1-0	1/27/00 2,2-DICHLOROPROPANE	10	UG/L	Ü			10
MOUND R1-1 MOUND R1-2	1/26/00 2,2-DICHLOROPROPANE	2	UG/L	U		2	2
MOUND R1-3	1/26/00 2,2-DICHLOROPROPANE 1/26/00 2,2-DICHLOROPROPANE	1 1	UG/L UG/L	U			1
MOUND R1-4	1/26/00 2,2-DICHLOROPROPANE	1	UG/L	Ü			1
MOUND R1-E MOUND R2-E	1/26/00 2,2-DICHLOROPROPANE	1	UG/L	U		1	1
MOUND R2-E	1/27/00 2,2-DICHLOROPROPANE 1/27/00 4-ISOPROPYLTOLUENE	10		U			10
MOUND R1-1	1/26/00 4-ISOPROPYLTOLUENE	2	UG/L	U			2
MOUND R1-2 MOUND R1-3	1/26/00 4-ISOPROPYLTOLUENE	1		U		1	1
MOUND R1-3	1/26/00 4-ISOPROPYLTOLUENE 1/26/00 4-ISOPROPYLTOLUENE	1		Ü			1
MOUND R1-E	1/26/00 4-ISOPROPYLTOLUENE	1	UG/L	U			1
MOUND R2-E MOUND R1-0	1/27/00 4-ISOPROPYLTOLUENE	11.6		U			1
MOUND R1-0	1/27/00 ALUMINUM 1/27/00 ALUMINUM	11.6	UG/L UG/L				1
MOUND R1-1	1/26/00 ALUMINUM	19.3	UG/L		V1		
MOUND R1-1 MOUND R1-2	1/26/00 ALUMINUM 1/26/00 ALUMINUM	20.9	UG/L			4.3	1
MOUND R1-2	1/26/00 ALUMINUM	110.4	UG/L UG/L				1 1
MOUND R1-3	1/26/00 ALUMINUM	15.4	UG/L	В	V1		1
MOUND R1-3 MOUND R1-4	1/26/00 ALUMINUM 1/26/00 ALUMINUM	13.4					1
	NEO/OU MEO!VIINUIVI	15.9	UG/L	В	V1	4.3	1



F THIS SPOR	9/A							
Location	Sample Date	Analyte	Result	Unit	Lab Qualifier	Validation Qualifier		Dilution Factor
21 Sept 2017		100			Caccion III			
MOUND R1-4		ALUMINUM	15.3	UG/L	В	V1	4.3	1
MOUND R1-E		ALUMINUM ALUMINUM	16.5	UG/L UG/L	В	V1 V1	4.3	1
MOUND R2-E		ALUMINUM	22.8	UG/L		V1	4.3	1
MOUND R2-E	1/27/00	ALUMINUM	16.6	UG/L	В	V1	4.3	1
MOUND R1-0		ANTIMONY	0.45	UG/L	U	V1	0.45	1
MOUND R1-0 MOUND R1-1		ANTIMONY	0.48 0.62	UG/L	В	V1 V1	0.45 0.45	1
MOUND R1-1		ANTIMONY	0.45	UG/L	U	V1	0.45	1
MOUND R1-2		ANTIMONY	0.45	UG/L	Ū	V1	0.45	1
MOUND R1-2		ANTIMONY	0.45	UG/L	U	V1	0.45	1
MOUND R1-3 MOUND R1-3		ANTIMONY ANTIMONY	0.61	UG/L UG/L	B U	V1 V1	0.45 0.45	1
MOUND R1-4		ANTIMONY	0.45 0.45	UG/L	Ü	V1	0.45	1
MOUND R1-4	1/26/00	ANTIMONY	0.45	UG/L	Ü	V1	0.45	1
MOUND R1-E		ANTIMONY	0.45	UG/L	U	V1 .	0.45	1
MOUND R1-E MOUND R2-E		ANTIMONY ANTIMONY	0.45	UG/L	U	V1	0.45	1
MOUND R2-E		ANTIMONY	0.45 0.45	UG/L UG/L	U	V1 V1	0.45 0.45	1
MOUND R1-0	1/27/00	ARSENIC	0.72	UG/L	Ü	V1	0.72	1
MOUND R1-0	1/27/00	ARSENIC	0.72	UG/L	U	V1	0.72	1
MOUND R1-1		ARSENIC	0.72	UG/L	U	V1	0.72	1
MOUND R1-1 MOUND R1-2		ARSENIC ARSENIC	0.72 0.72	UG/L UG/L	U	V1 V1	0.72 0.72	1
MOUND R1-2		ARSENIC	0.72	UG/L	Ü	V1	0.72	1
MOUND R1-3		ARSENIC	2	UG/L	В	V1	0.72	1
MOUND R1-3		ARSENIC	0.72	UG/L	U	V1	0.72	1
MOUND R1-4 MOUND R1-4		ARSENIC	0.72	UG/L	U	V1	0.72	11
MOUND R1-4		ARSENIC ARSENIC	0.72 0.72	UG/L UG/L	U	V1 V1	0.72 0.72	1
MOUND R1-E		ARSENIC	0.72	UG/L	В	V1	0.72	1
MOUND R2-E	1/27/00	ARSENIC	0.72	UG/L	Ū	V1	0.72	1
MOUND R2-E		ARSENIC	0.72	UG/L	U	V1	0.72	1
MOUND R1-0 MOUND R1-0		BARIUM BARIUM	148	UG/L UG/L		V1 V1	0.05	1
MOUND R1-1		BARIUM	29.2	UG/L	В	V1	0.05	1
MOUND R1-1	1/26/00	BARIUM	31.7	UG/L	В	V1	0.05	1
MOUND R1-2		BARIUM	1.2	UG/L	В	UJ1	0.05	1
MOUND R1-2 MOUND R1-3		BARIUM	1.1	UG/L	В	UJ1	0.05	1
MOUND R1-3		BARIUM	2.2	UG/L UG/L	B B	V1 V1	0.05	1 1
MOUND R1-4		BARIUM	2.1	UG/L	В	V1	0.05	1
MOUND R1-4	1/26/00	BARIUM	2.5	UG/L	В	V1	0.05	1
MOUND R1-E		BARIUM	16.2	UG/L	В	V1	0.05	1
MOUND R1-E MOUND R2-E		BARIUM BARIUM	16.7 16.1	UG/L	B B	V1 V1	0.05 0.05	1
MOUND R2-E		BARIUM	16.6	UG/L	В	V1	0.05	1
MOUND R1-0	1/27/00	BENZENE	10	UG/L	U		10	10
MOUND R1-1		BENZENE	2	UG/L	U		2	2
MOUND R1-2 MOUND R1-3		BENZENE BENZENE	0.2	UG/L UG/L	J		1	1
MOUND R1-4		BENZENE	0.2	UG/L	J	 	1	1
MOUND R1-E	1/26/00	BENZENE	0.3	UG/L	J		1	1
MOUND R2-E		BENZENE	0.1	UG/L	J		1	1
MOUND R1-0 MOUND R1-1		BENZENE, 1,2,4-TRIMETHYL	10	UG/L	U	ļ	10	10
MOUND R1-1		BENZENE, 1,2,4-TRIMETHYL BENZENE, 1,2,4-TRIMETHYL	1	UG/L UG/L	U		1	1
MOUND R1-3	1/26/00	BENZENE, 1,2,4-TRIMETHYL	1	UG/L	Ū	1	11	1
MOUND R1-4		BENZENE, 1,2,4-TRIMETHYL	1	UG/L	U		1	1
MOUND R1-E		BENZENE, 1,2,4-TRIMETHYL	1	UG/L	U		1	1 .
MOUND R2-E MOUND R1-0		BENZENE, 1,2,4-TRIMETHYL BENZENE, 1,3,5-TRIMETHYL-	10	UG/L UG/L	U		10	10
MOUND R1-1		BENZENE, 1,3,5-TRIMETHYL-	2	UG/L	U	-	2	2
MOUND R1-2	1/26/00	BENZENE, 1,3,5-TRIMETHYL-	1	UG/L	U		1	1
MOUND R1-3		BENZENE, 1,3,5-TRIMETHYL-	1	UG/L	U		1	1
MOUND R1-4 MOUND R1-E		BENZENE, 1,3,5-TRIMETHYL- BENZENE, 1,3,5-TRIMETHYL-	1	UG/L UG/L	U		1	1
MOUND R2-E		BENZENE, 1,3,5-TRIMETHYL-		UG/L	U	 	1	1
MOUND R1-0	1/27/00	BERYLLIUM	0.03	UG/L	В	V1	0.02	1
MOUND R1-0	1/27/00	BERYLLIUM	0.02	UG/L	ļ	V1	0.02	1
MOUND R1-1 MOUND R1-1		BERYLLIUM	0.02	UG/L	U	V1 V1	0.02	1
MOUND R1-1		BERYLLIUM BERYLLIUM	0.04	UG/L UG/L	В	V1 V1	0.02	1
MOUND R1-2	1/26/00	BERYLLIUM	0.04	UG/L	В	V1	0.02	1
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Location	Sample	Analyte	Result	an Init	Labora	Validation	Detection	Dilution
	Data	64 C			Qualiter		A STATE OF THE PARTY OF THE PAR	Factor
MOUND R1-3	The second second second	BERYLLIUM	0.04	UG/L	В	V1	0.02	1
MOUND R1-3		BERYLLIUM	0.02	UG/L	U	V1	0.02	1
MOUND R1-4 MOUND R1-4		BERYLLIUM BERYLLIUM	0.02	UG/L UG/L	U	V1 V1	0.02	1
MOUND R1-E	1/26/00	BERYLLIUM	0.02	UG/L	Ü	V1	0.02	1
MOUND R1-E MOUND R2-E		BERYLLIUM BERYLLIUM	0.02	UG/L	U	V1	0.02	1
MOUND R2-E		BERYLLIUM	0.02	UG/L UG/L	U	V1 V1	0.02	1
MOUND R1-0	1/27/00	BICARBONATE AS CACO3	390	MG/L			5	
MOUND R1-1 MOUND R1-2	1/26/00	BICARBONATE AS CACO3 BICARBONATE AS CACO3	310 190	MG/L MG/L	<u> </u>		5	
MOUND R1-3	1/26/00	BICARBONATE AS CACO3	190	MG/L	 		5	
MOUND R1-4 MOUND R1-E		BICARBONATE AS CACO3	180	MG/L			5	
MOUND R1-E		BICARBONATE AS CACO3 BICARBONATE AS CACO3	180 170	MG/L MG/L			5	
MOUND R2-E	1/27/00	BICARBONATE AS CACO3	180	MG/L			5	
MOUND R1-0 MOUND R1-1		BROMIDE BROMIDE	0.4	MG/L MG/L		 	0.1	
MOUND R1-2		BROMIDE	0.4	MG/L	 		0.1	
MOUND R1-3		BROMIDE	0.4	MG/L			0.1	
MOUND R1-4 MOUND R1-E		BROMIDE BROMIDE	0.4	MG/L MG/L			0.1	
MOUND R2-E		BROMIDE	0.4	MG/L			0.1	
MOUND R2-E		BROMIDE	0.4	MG/L			0.1	
MOUND R1-0 MOUND R1-1		BROMOBENZENE BROMOBENZENE	10	UG/L UG/L	U		2	10
MOUND R1-2	1/26/00	BROMOBENZENE	1	UG/L	Ü		1	1
MOUND R1-3 MOUND R1-4	1/26/00	BROMOBENZENE	1	UG/L	U		1	1
MOUND R1-E		BROMOBENZENE BROMOBENZENE	1	UG/L UG/L	U		1	1
MOUND R2-E	1/27/00	BROMOBENZENE	1	UG/L	Ū		1	1
MOUND R1-0 MOUND R1-1	1/27/00	BROMOCHLOROMETHANE	10	UG/L	U		10	10
MOUND R1-2		BROMOCHLOROMETHANE BROMOCHLOROMETHANE	2	UG/L UG/L	U		1	1
MOUND R1-3	1/26/00	BROMOCHLOROMETHANE	1	UG/L	Ü		1	1
MOUND R1-4 MOUND R1-E		BROMOCHLOROMETHANE BROMOCHLOROMETHANE	1	UG/L	U			!1 1
MOUND R2-E	1/27/00	BROMOCHLOROMETHANE	1	UG/L UG/L	U		1	1
MOUND R1-0	1/27/00	BROMODICHLOROMETHANE	10	UG/L	U		10	10
MOUND R1-1 MOUND R1-2	1/26/00	BROMODICHLOROMETHANE BROMODICHLOROMETHANE	1	UG/L UG/L	U		1	1
MOUND R1-3		BROMODICHLOROMETHANE	1 .	UG/L	Ü		1	1
MOUND R1-4		BROMODICHLOROMETHANE	1	UG/L	U		1	1
MOUND R1-E MOUND R2-E	1/26/00	BROMODICHLOROMETHANE BROMODICHLOROMETHANE	1	UG/L UG/L	U		1	1
MOUND R1-0	1/27/00	BROMOFLUOROBENZENE	96	%REC			_	10
MOUND R1-1 MOUND R1-2		BROMOFLUOROBENZENE	100	%REC				2
MOUND R1-3		BROMOFLUOROBENZENE BROMOFLUOROBENZENE	103 105	%REC			· ·	1
MOUND R1-4	1/26/00	BROMOFLUOROBENZENE	86	%REC				1
MOUND R1-E MOUND R2-E		BROMOFLUOROBENZENE BROMOFLUOROBENZENE	97	%REC				1
MOUND R1-0		BROMOFORM	97 10	%REC UG/L	U			10
MOUND R1-1		BROMOFORM	2	UG/L	U		2	2
MOUND R1-2 MOUND R1-3		BROMOFORM BROMOFORM	1	UG/L UG/L	U			1
MOUND R1-4		BROMOFORM	1	UG/L	Ü			1
MOUND R1-E		BROMOFORM	1	UG/L	U			1
MOUND R2-E MOUND R1-0		BROMOFORM BROMOMETHANE	10	UG/L UG/L	U			10
MOUND R1-1		BROMOMETHANE	2	UG/L	Ü			2
MOUND R1-2 MOUND R1-3		BROMOMETHANE	1	UG/L	U			1
MOUND R1-3		BROMOMETHANE BROMOMETHANE	1	UG/L UG/L	U			1
MOUND R1-E	1/26/00	BROMOMETHANE	1	UG/L	U		1	1 .
MOUND R2-E MOUND R1-0		BROMOMETHANE	1	UG/L	U		1 0.00	1
MOUND R1-0		CADMIUM CADMIUM	0.08	UG/L UG/L	U	V1 V1		1
MOUND R1-1	1/26/00	CADMIUM	0.08	UG/L	В	V1	0.08	1
MOUND R1-1 MOUND R1-2		CADMIUM CADMIUM	0.08	UG/L	U	V1		1
MOUND R1-2		CADMIUM		UG/L UG/L	U	V1 V1		1
MOUND R1-3	1/26/00	CADMIUM	0.08	UG/L	U	V1	0.08	1
MOUND R1-3	1/26/00	CADMIUM	0.12	UG/L	В	V1	0.08	1



Location 6	Sample	Analyte	E Boevile	lest lates	Lab	Validation	Detection	Dilution
Sec. 1	Date	Analyte	Result	Unit	Qualifier	Qualifier	Limit	Factor
MOUND D4 4	4 0000	CADMIIM	9.00	1104		V4	0.00	1
MOUND R1-4 MOUND R1-4		CADMIUM	0.08	UG/L UG/L	U	V1 V1	0.08	1
MOUND R1-E	1/26/00	CADMIUM	0.08	UG/L	U	V1	0.08	1
MOUND R1-E MOUND R2-E		CADMIUM CADMIUM	0.08	UG/L UG/L	U	V1 V1	0.08	1
MOUND R2-E		CADMIUM	0.08	UG/L	U	V1	0.08	1
MOUND R1-0	1/27/00	CALCIUM	115000	UG/L		V1	8.6	1
MOUND R1-0 MOUND R1-1		CALCIUM CALCIUM	113000 52800	UG/L UG/L	-	V1 V1	8.6 8.6	1
MOUND R1-1		CALCIUM	56600	UG/L	-	V1	8.6	5
MOUND R1-2		CALCIUM	5400	UG/L		V1	8.6	1
MOUND R1-2 MOUND R1-3		CALCIUM	5410 4210	UG/L UG/L	В	V1 V1	8.6	1
MOUND R1-3		CALCIUM	4350	UG/L	В	V1	8.6	1
MOUND R1-4		CALCIUM	3330	UG/L	В	V1	8.6	1
MOUND R1-4 MOUND R1-E		CALCIUM	3410 2740	UG/L UG/L	B B	V1 V1	8.6 8.6	1
MOUND R1-E		CALCIUM	2840	UG/L	В	V1	8.6	1
MOUND R2-E		CALCIUM	2740	UG/L	В	V1	8.6	1
MOUND R2-E MOUND R1-0		CALCIUM CARBON TETRACHLORIDE	2750 110	UG/L UG/L	В	V1	8.6 10	10
MOUND R1-1		CARBON TETRACHLORIDE	2	UG/L	U		2	2
MOUND R1-2		CARBON TETRACHLORIDE	1	UG/L	U		1	1
MOUND R1-3 MOUND R1-4		CARBON TETRACHLORIDE CARBON TETRACHLORIDE	1	UG/L UG/L	U		1	1
MOUND R1-E		CARBON TETRACHLORIDE	1	UG/L	U		1	1
MOUND R2-E		CARBON TETRACHLORIDE	1	UG/L	U		1	1
MOUND R1-0 MOUND R1-1		CHLORIDE .	68	MG/L MG/L			0.5	5
MOUND R1-2		CHLORIDE	66	MG/L			0.5	5
MOUND R1-3	1/26/00	CHLORIDE	66	MG/L			0.5	5
MOUND R1-4 MOUND R1-E		CHLORIDE CHLORIDE	68	MG/L MG/L			0.5	5
MOUND R2-E	*******	CHLORIDE	67	MG/L	<u> </u>		0.5	5
MOUND R2-E	1/27/00	CHLORIDE	67	MG/L			0.5	5
MOUND R1-0 MOUND R1-1		CHLOROBENZENE CHLOROBENZENE	2	UG/L UG/L	U		2	2
MOUND R1-2		CHLOROBENZENE	1	UG/L	U		1	1
MOUND R1-3	1/26/00	CHLOROBENZENE	1	UG/L	U		1	1
MOUND R1-4 MOUND R1-E		CHLOROBENZENE CHLOROBENZENE	1	UG/L UG/L	U		1	1
MOUND R2-E		CHLOROBENZENE	11	UG/L	U		1	1
MOUND R1-0		CHLOROETHANE	10	UG/L	U		10	10
MOUND R1-1 MOUND R1-2		CHLOROETHANE CHLOROETHANE	2	UG/L UG/L	U		1	1
MOUND R1-3		CHLOROETHANE	11	UG/L	U		1	1
MOUND R1-4		CHLOROETHANE	1	UG/L	U		1	1
MOUND R1-E MOUND R2-E		CHLOROETHANE CHLOROETHANE	1	UG/L UG/L	U		1	1
MOUND R1-0		CHLOROFORM	25	UG/L	0		10	10
MOUND R1-1		CHLOROFORM	11	UG/L			2	2
MOUND R1-2 MOUND R1-3		CHLOROFORM CHLOROFORM	2	UG/L UG/L	-		1	1
MOUND R1-4		CHLOROFORM	0.9	UG/L	J		1	1
MOUND R1-E	1/26/00	CHLOROFORM	2	UG/L			1	1
MOUND R2-E MOUND R1-0		CHLOROFORM CHLOROMETHANE	10	UG/L UG/L	U		10	10
MOUND R1-1		CHLOROMETHANE	2	UG/L	U		2	2
MOUND R1-2	1/26/00	CHLOROMETHANE	1	UG/L	U		1	1
MOUND R1-3 MOUND R1-4		CHLOROMETHANE CHLOROMETHANE	1	UG/L UG/L	U		1	1
MOUND R1-E		CHLOROMETHANE	<u> </u>	UG/L	U		1	1
MOUND R2-E	1/27/00	CHLOROMETHANE	1	UG/L	U		1	1
MOUND R1-0 MOUND R1-0		CHROMIUM CHROMIUM	0.15	UG/L UG/L	U	J1 J1	0.15	1
MOUND R1-1		CHROMIUM	0.15	UG/L	υ	J1	0.15	1
MOUND R1-1	1/26/00	CHROMIUM	0.15	UG/L	U	J1	0.15	1
MOUND R1-2 MOUND R1-2		CHROMIUM CHROMIUM	0.15	UG/L UG/L	U	J1 J1	0.15	1
MOUND R1-3		CHROMIUM	0.15	UG/L	В	J1	0.15	1
MOUND R1-3	1/26/00	CHROMIUM	0.15	UG/L	U	J1	0.15	11
MOUND R1-4 MOUND R1-4		CHROMIUM CHROMIUM	0.15	UG/L UG/L	U	J1 J1	0.15	1
MOUND R1-E		CHROMIUM	0.15	UG/L	Ü	J1	0.15	1



Location	Sample Date	Analyte	Result	Unit	Lab Pupilipi	Validation Qualifier	Detection Limit	Dilution
1.0								
MOUND R1-E			0.15		U		0.15	1
MOUND R2-E			0.15		U		0.15	1
MOUND R2-E MOUND R1-0			0.15 57	UG/L UG/L	U -	J1	0.15 10	10
MOUND R1-1			26	UG/L			2	2
MOUND R1-2			19	UG/L			1	1
MOUND R1-3	1/26/00	cis-1,2-DICHLOROETHENE	17	UG/L			1	1
MOUND R1-4			16	UG/L			1	1
MOUND R1-E MOUND R2-E			3	UG/L			1	1
MOUND R1-0			10	UG/L UG/L	U		10	10
MOUND R1-1			2	UG/L	Ü		2	2
MOUND R1-2		cis-1,3-DICHLOROPROPENE	1	UG/L	U		1	1
MOUND R1-3			1	UG/L	U .		1	1
MOUND R1-4 MOUND R1-E			1	UG/L	U		1	1
MOUND R2-E			<u>1</u> 1	UG/L UG/L	U		1	1
MOUND R1-0			0.2	UG/L	U	V1	0.2	1
MOUND R1-0			0.2	UG/L	U	V1	0.2	1
MOUND R1-1			0.2	UG/L	υ		0.2	1
MOUND R1-1			0.2	UG/L	U		0.2	1
MOUND R1-2 MOUND R1-2			0.2	UG/L UG/L	U	V1 V1	0.2	1
MOUND R1-3			0.2	UG/L	U	V1	0.2	1
MOUND R1-3			0.2	UG/L	U	V1	0.2	1
MOUND R1-4	1/26/00	COBALT	0.2	UG/L	U	V1	0.2	1
MOUND R1-4			0.2	UG/L	U	V1	0.2	1
MOUND R1-E			0.2	UG/L	U.	V1	0.2	1
MOUND R1-E MOUND R2-E			0.2	UG/L UG/L	U	V1 V1	0.2	1
MOUND R2-E			0.2	UG/L	U	V1	0.2	1
MOUND R1-0	1/27/00	COPPER	1.3	UG/L	В	V1	0.2	1
MOUND R1-0			1.2	UG/L	В	V1 .	0.2	1
MOUND R1-1			0.31	UG/L	В	V1	0.2	1
MOUND R1-1			0.25	UG/L	В	V1 V1	0.2	1
MOUND R1-2 MOUND R1-2			0.26	UG/L UG/L	B U	V1	0.2	1
MOUND R1-3			0.2	UG/L	Ü	V1	0.2	i
MOUND R1-3	1/26/00	COPPER	0.2	UG/L	U	V1	0.2	1
MOUND R1-4			0.2	UG/L	U	V1	0.2	1
MOUND R1-4			0.25	UG/L	В	V1 V1	0.2	1
MOUND R1-E		COPPER	0.2	UG/L UG/L	U	V1	0.2	1
MOUND R2-E			0.2	UG/L	Ü	V1	0.2	1
MOUND R2-E	1/27/00		0.29	UG/L	В	V1	0.2	1
MOUND R1-0			10	UG/L	U		10	10
MOUND R1-1			2	UG/L	U		2	2
MOUND R1-2 MOUND R1-3		DIBROMOCHLOROMETHANE DIBROMOCHLOROMETHANE	1	UG/L UG/L	U		1	1
MOUND R1-4			1	UG/L	U		1	1
MOUND R1-E	1/26/00	DIBROMOCHLOROMETHANE	1	UG/L	Ū		1	1
MOUND R2-E			1	UG/L	U		1	1
MOUND R1-0		DIBROMOMETHANE	10	UG/L	U		10	10
MOUND R1-1 MOUND R1-2		DIBROMOMETHANE DIBROMOMETHANE	1	UG/L UG/L	U		1	1
MOUND R1-3		DIBROMOMETHANE	1	UG/L	U		1	1
MOUND R1-4		DIBROMOMETHANE	1	UG/L	Ü			1
MOUND R1-E		DIBROMOMETHANE	1	UG/L	U			1
MOUND R2-E		DIBROMOMETHANE	1	UG/L	U		1	110
MOUND R1-0 MOUND R1-1		DICHLORODIFLUOROMETHANE DICHLORODIFLUOROMETHANE		UG/L UG/L	U		2	10
MOUND R1-2		DICHLORODIFLUOROMETHANE		UG/L	U			1
MOUND R1-3		DICHLORODIFLUOROMETHANE		UG/L	U		1	1
MOUND R1-4		DICHLORODIFLUOROMETHANE		UG/L	U			11
MOUND R1-E		DICHLORODIFLUOROMETHANE		UG/L	U			11
MOUND R2-E MOUND R1-0		DICHLORODIFLUOROMETHANE ETHYLBENZENE		UG/L UG/L	U		10	10
MOUND R1-0		ETHYLBENZENE	2	UG/L	U		2	10
MOUND R1-2		ETHYLBENZENE	1	UG/L	U		1	1
MOUND R1-3	1/26/00	ETHYLBENZENE	1	UG/L	U		1	11
MOUND R1-4		ETHYLBENZENE	1	UG/L	U		1	1
MOUND R1-E		ETHYLBENZENE	1	UG/L	U		1	11
MOUND R2-E MOUND R1-0			1	MG/L	U	-	0.05	1
INCOMP KI-0	1121100	I LOOKIDE	11	IVIGIL	1		10.00	

Location	Sample	A-nu.	ND SECILOR	10011-1-16	Simulate by a	Validation	Dotostical	anilia ani
re-1-k	Date	Analyte	Result	Unit	Lab Qualifier	Validation Qualifier	Detection Limit	Factor
MOUND D4 4	4/00/00	CONTRACTOR OF THE PROPERTY OF	0.70					Links
MOUND R1-1 MOUND R1-2		FLUORIDE FLUORIDE	0.76	MG/L MG/L			0.05	
MOUND R1-3	1/26/00	FLUORIDE	0.49	MG/L			0.05	
MOUND R1-4 MOUND R1-E		FLUORIDE FLUORIDE	0.51	MG/L			0.05 0.05	
MOUND R2-E		FLUORIDE	0.47	MG/L MG/L			0.05	
MOUND R2-E	1/27/00	FLUORIDE	0.47	MG/L			0.05	
MOUND R1-0 MOUND R1-1	1/27/00	HEXACHLOROBUTADIENE HEXACHLOROBUTADIENE	10	UG/L	U		10	10
MOUND R1-2		HEXACHLOROBUTADIENE	1	UG/L UG/L	U		1	1
MOUND R1-3	1/26/00	HEXACHLOROBUTADIENE	1	UG/L	Ü		1	1
MOUND R1-4 MOUND R1-E		HEXACHLOROBUTADIENE HEXACHLOROBUTADIENE	1	UG/L UG/L	U		1	1
MOUND R2-E		HEXACHLOROBUTADIENE	1	UG/L	U		1	1
MOUND R1-0	1/27/00	IRON	25.1	UG/L	В	V1	3.6	1
MOUND R1-0 MOUND R1-1	1/27/00 1/26/00		46.4	UG/L UG/L	В	V1 V1	3.6 3.6	1
MOUND R1-1	1/26/00		12600 13700	UG/L		V1		1
MOUND R1-2	1/26/00	IRON	604	UG/L		V1	3.6	1
MOUND R1-2 MOUND R1-3	1/26/00 1/26/00		879 367	UG/L UG/L		V1 V1		1
MOUND R1-3	1/26/00		597	UG/L		V1	3.6	1
MOUND R1-4	1/26/00	IRON .	241	UG/L		V1	3.6	1
MOUND R1-4 MOUND R1-E	1/26/00 1/26/00			UG/L	D	V1 V1		1
MOUND R1-E	1/26/00		24.4 28	UG/L UG/L	B B	V1	3.6	1
MOUND R2-E	1/27/00	IRON	15.9	UG/L	В	V1	3.6	1
MOUND R2-E MOUND R1-0	1/27/00			UG/L	В	V1	3.6	1
MOUND R1-1		ISOPROPYLBENZENE ISOPROPYLBENZENE	10	UG/L UG/L	U		2	10
MOUND R1-2	1/26/00	ISOPROPYLBENZENE	1	UG/L	Ū ·			1
MOUND R1-3		ISOPROPYLBENZENE	1	UG/L	U		1	1
MOUND R1-4 MOUND R1-E		ISOPROPYLBENZENE ISOPROPYLBENZENE	1	UG/L UG/L	U		1	1
MOUND R2-E		ISOPROPYLBENZENE		UG/L	U ,		1	1
MOUND R1-0	1/27/00		0.58	UG/L	U	V1	0.58	1
MOUND R1-0 MOUND R1-1	1/27/00 1/26/00		0.58 3.5	UG/L	U	V1 J1	0.58 0.58	1
MOUND R1-1	1/26/00		0.58	UG/L	U			1
MOUND R1-2	1/26/00		0.58	UG/L	U	V1		1
MOUND R1-2 MOUND R1-3	1/26/00 1/26/00		0.58 0.58	UG/L UG/L	บ	V1 V1	0.58 0.58	1
MOUND R1-3	1/26/00		0.58	UG/L	U	V1	0.58	1
MOUND R1-4	1/26/00			UG/L	U		0.58	1
MOUND R1-4 MOUND R1-E	1/26/00 1/26/00		0.86 0.58	UG/L UG/L	U			1
MOUND R1-E	1/26/00	LEAD		UG/L	В			1
MOUND R2-E	1/27/00			UG/L	U		0.58	1
MOUND R2-E MOUND R1-0	1/27/00			UG/L UG/L	В	V1 J1		1
MOUND R1-0		LITHIUM		UG/L	В			1
MOUND R1-1		LITHIUM		UG/L	В			1
MOUND R1-1 MOUND R1-2		LITHIUM		UG/L UG/L	B			1
MOUND R1-2	1/26/00	LITHIUM	32	UG/L	В	J1	0.02	1
MOUND R1-3		LITHIUM	33.4	UG/L	В			1
MOUND R1-3 MOUND R1-4		LITHIUM LITHIUM	33.1 32.5	UG/L UG/L	B	J1 J1		1
MOUND R1-4		LITHIUM	32.8	UG/L	В	J1		1
MOUND R1-E		LITHIUM	30.6	UG/L	В			1
MOUND R1-E MOUND R2-E		LITHIUM	31.2 30.6	UG/L UG/L	B B	J1 J1		1
MOUND R2-E		LITHIUM	30.9	UG/L	В	J1	0.02	1
MOUND R1-0		MAGNESIUM	36500	UG/L				1
MOUND R1-0 MOUND R1-1		MAGNESIUM MAGNESIUM	35800 35100	UG/L UG/L		V1 .	1.6	1
MOUND R1-1		MAGNESIUM	35300	UG/L				1
MOUND R1-2	1/26/00	MAGNESIUM	31300	UG/L		V1	1.6	1
MOUND R1-2 MOUND R1-3		MAGNESIUM MAGNESIUM	30700 31300	UG/L UG/L				1
MOUND R1-3		MAGNESIUM	31300	UG/L UG/L				1
MOUND R1-4	1/26/00	MAGNESIUM	31600	UG/L		V1	1.6	1
MOUND R1-4 MOUND R1-E		MAGNESIUM	32100	UG/L	-			1
MOOND K1-F	1/26/00	MAGNESIUM	31100	UG/L	<u> </u>	V I	1.0	

Location	Sample Date	Analyte	Result	(i)mii	Lab Qualliter	Validation Qualifier	Detection Limit	Pagos
MOUND R1-E	1/26/00	MAGNESIUM	32100	UG/L		V1	1.6	1
MOUND R2-E		MAGNESIUM	30500	UG/L	 	V1	1.6	1
MOUND R2-E		MAGNESIUM	30600	UG/L	<u> </u>	V1	1.6	1_
MOUND R1-0	1/27/00	MANGANESE	131	UG/L		V1	0.02	1
MOUND R1-0		MANGANESE	128	UG/L		V1	0.02	1
MOUND R1-1 MOUND R1-1	1/26/00	MANGANESE MANGANESE	164	UG/L	 	V1 V1	0.02	1
MOUND R1-2		MANGANESE	172 47.7	UG/L UG/L	 	V1	0.02	1
MOUND R1-2		MANGANESE	48.2	UG/L	 	V1	0.02	1
MOUND R1-3	1/26/00	MANGANESE	112	UG/L	 	V1	0.02	1
MOUND R1-3	1/26/00	MANGANESE	117	UG/L		V1	0.02	1
MOUND R1-4		MANGANESE	108	UG/L		V1	0.02	1
MOUND R1-4		MANGANESE	112	UG/L		V1.	0.02	1
MOUND R1-E		MANGANESE	108	UG/L	ļ	V1	0.02	1
MOUND R1-E MOUND R2-E	1/25/00	MANGANESE MANGANESE	110	UG/L	 	V1	0.02	11
MOUND R2-E		MANGANESE	101	UG/L UG/L	 	V1 V1	0.02	1
MOUND R1-0		MERCURY	0.1	UG/L	U	V1	0.02	1
MOUND R1-0		MERCURY	0.1	UG/L	U	Vi	0.1	1
MOUND R1-1		MERCURY	0.1	UG/L	Ū	V1	0.1	1
MOUND R1-1	1/26/00	MERCURY	0.1	UG/L	U	V1	0.1	1
MOUND R1-2		MERCURY	0.1	UG/L	U	V1	0.1	1
MOUND R1-2		MERCURY	0.1	UG/L	U	V1	0.1	1
MOUND R1-3		MERCURY	0.1	UG/L	U	V1	0.1	1
MOUND R1-3 MOUND R1-4		MERCURY MERCURY	0.1	UG/L	U	V1 V1	0.1	1
MOUND R1-4		MERCURY	0.1	UG/L UG/L	U	V1 V1	0.1	1
MOUND R1-E	1/26/00	MERCURY	0.1	UG/L	U .	V1	0.1	1
MOUND R1-E		MERCURY	0.1	UG/L	Ü	V1	0.1	1
MOUND R2-E	1/27/00	MERCURY	0.1	UG/L	Ŭ	V1	0.1	1
MOUND R2-E		MERCURY	0.1	UG/L	Ū	V1	0.1	1
MOUND R1-0	1/27/00	METHYLENE CHLORIDE	5	UG/L	BJ		10	10
MOUND R1-1	1/26/00	METHYLENE CHLORIDE	3	UG/L	В		2	2
MOUND R1-2	1/26/00	METHYLENE CHLORIDE	2	UG/L	 		1	1
MOUND R1-3 MOUND R1-4		METHYLENE CHLORIDE	2	UG/L			1	1
MOUND R1-E	1/26/00	METHYLENE CHLORIDE METHYLENE CHLORIDE	2	UG/L UG/L	В		1	1
MOUND R2-E	1/27/00	METHYLENE CHLORIDE	1	UG/L	В	 	1	1
MOUND R1-0	1/27/00	MOLYBDENUM	3.2	UG/L	В	V1	0.32	1
MOUND R1-0	1/27/00	MOLYBDENUM	3.1	UG/L	В	V1	0.32	1
MOUND R1-1	1/26/00	MOLYBDENUM	1	UG/L	В	J1	0.32	1
MOUND R1-1		MOLYBDENUM	0.82	UG/L	В	J1	0.32	1
MOUND R1-2		MOLYBDENUM	2.8	UG/L	В	V1	0.32	1
MOUND R1-2 MOUND R1-3		MOLYBDENUM MOLYBDENUM	2.4	UG/L	В	V1	0.32	1
MOUND R1-3		MOLYBDENUM	4.9	UG/L UG/L	B B	V1 V1	0.32	1
MOUND R1-4		MOLYBDENUM	4.5 6.7	UG/L	В	V1	0.32	1
MOUND R1-4		MOLYBDENUM	6.5	UG/L	В	V1		1
MOUND R1-E		MOLYBDENUM	23.9	UG/L	В	VI	0.32	11
MOUND R1-E		MOLYBDENUM	24.3	UG/L	В	V1	0.32	1
MOUND R2-E		MOLYBDENUM	25.4	UG/L	В	V1	0.32	1
MOUND R2-E		MOLYBDENUM	25.2	UG/L	В	V1	0.32	1
MOUND R1-0 MOUND R1-1		NAPHTHALENE	10	UG/L	U	ļ	10	10
MOUND R1-1		NAPHTHALENE NAPHTHALENE	1	UG/L UG/L	J	ļ	1	1
MOUND R1-2		NAPHTHALENE	11	UG/L	U		1	11
MOUND R1-4		NAPHTHALENE	1	UG/L	Ü			1
MOUND R1-E		NAPHTHALENE	11	UG/L	Ū	İ ————		1
MOUND R2-E		NAPHTHALENE	1	UG/L	U			1
MOUND R1-0		n-BUTYLBENZENE	10	UG/L	U			10
MOUND R1-1		n-BUTYLBENZENE	2	UG/L	U		2	2
MOUND R1-2 MOUND R1-3		n-BUTYLBENZENE	1	UG/L	U		1	1
MOUND R1-3		n-BUTYLBENZENE n-BUTYLBENZENE	1	UG/L UG/L	U U			1
MOUND R1-E		n-BUTYLBENZENE	11	UG/L	U		1	1
MOUND R2-E		n-BUTYLBENZENE	11	UG/L	Ü		1	1
MOUND R1-0	1/27/00	NICKEL	1.7	UG/L	В	V1	0.35	1
MOUND R1-0		NICKEL	1.4	UG/L	В	V1	0.35	1
MOUND R1-1		NICKEL	0.99	UG/L	В	V1		11
MOUND R1-1		NICKEL	0.69	UG/L	В	V1	0.35	1
MOUND R1-2		NICKEL	0.63	UG/L	В	V1		1
MOUND R1-2 MOUND R1-3		NICKEL NICKEL	0.35	UG/L	U	V1	0.35	:1
MOUND R1-3		NICKEL	0.65	UG/L	В	V1	0.35	1
INIOUND K1-3	1/26/00	NIUKEL	0.37	UG/L	В	V1	0.35	:1



Location	Sample	Analyte	Result	Unit	Lab	Validation		
	Date			da e	Qualifier	Qualifier	Fimili	FEGOR
MOUND R1-4	1/26/00		0.46	UG/L	В	V1	0.35	1
MOUND R1-4			0.41	UG/L	В	V1	0.35	1
MOUND R1-E			0.35	UG/L	U	V1 .	0.35	1
MOUND R1-E MOUND R2-E			0.47 0.37	UG/L UG/L	В	V1 V1	0.35 0.35	1
MOUND R2-E			0.5	UG/L	В	V1	0.35	1
MOUND R1-0			2.8	MG/L		•	0.05	5
MOUND R1-0			2.1	MG/L			0.045	5
MOUND R1-1			0.05	MG/L	U		0.05	
MOUND R1-1			0.15	MG/L	J		0.045	5
MOUND R1-2 MOUND R1-2			0.05	MG/L	U		0.05 0.045	5
MOUND R1-3			0.2	MG/L MG/L	J		0.045	-
MOUND R1-3	12/28/00		0.03	MG/L	J		0.045	5
MOUND R1-4			0.05	MG/L	Ū		0.05	
MOUND R1-4		NITRATE/NITRITE	0.2	MG/L	J		0.045	5
MOUND R1-E			0.05	MG/L	U		0.05	
MOUND R1-E			0.045	MG/L	U		0.045	5
MOUND R1-F			0.045	MG/L	U		0.045	5
MOUND R2-E MOUND R1-0		NITRATE/NITRITE n-PROPYLBENZENE	0.05	MG/L	U		0.05 10	10
MOUND R1-0			10	UG/L UG/L	U		2	2
MOUND R1-2			1	UG/L	U		1	1
MOUND R1-3			1	UG/L	U		1	1
MOUND R1-4	1/26/00	n-PROPYLBENZENE	1	UG/L	U		1	1
MOUND R1-E			1	UG/L	U		1	1
MOUND R2-E			1	UG/L	U		1	1
MOUND R1-0			10	UG/L	U		10	10
MOUND R1-1 MOUND R1-2			2	UG/L UG/L	U		1	1
MOUND R1-3			1	UG/L	U		1	1
MOUND R1-4			1	UG/L	U		1	1
MOUND R1-E			1	UG/L	U		1	1
MOUND R2-E			1	UG/L	U		1	1
MOUND R1-0			10	UG/L	U		10	10
MOUND R1-1			2	UG/L	U		2	2
MOUND R1-2		p-CHLOROTOLUENE	1	UG/L	U		1	1
MOUND R1-3 MOUND R1-4		p-CHLOROTOLUENE p-CHLOROTOLUENE	1	UG/L UG/L	U		1	1
MOUND R1-E			1	UG/L	U		1	1
MOUND R2-E		p-CHLOROTOLUENE	1	UG/L	Ü		1	1
MOUND R1-0			1770	UG/L	В	J1	4.9	1
MOUND R1-0	1/27/00	POTASSIUM	1710	UG/L	В	J1	4.9	1
MOUND R1-1			1710	UG/L	В	J1	4.9	1
MOUND R1-1			1710	UG/L	В	J1	4.9	11
MOUND R1-2		POTASSIUM	1560	UG/L	В	J1	4.9 4.9	1
MOUND R1-2 MOUND R1-3		POTASSIUM POTASSIUM	1540 1580	UG/L UG/L	В	J1 J1	4.9	1
MOUND R1-3		POTASSIUM	1560	UG/L	В	J1	4.9	1
MOUND R1-4		POTASSIUM	1610	UG/L	В	J1	4.9	1
MOUND R1-4	1/26/00	POTASSIUM	1620	UG/L	В	J1	4.9	1
MOUND R1-E			2400	UG/L	В	J1	4.9	1
MOUND R1-E			2470	UG/L	В	J1	4.9	1
MOUND R2-E			2490	UG/L	В	J1 .	4.9	1
MOUND R2-E MOUND R1-0		POTASSIUM PROPANE, 1,2-DIBROMO-3-CHL	2490	UG/L	n R	JI	10	10
MOUND R1-1		PROPANE, 1,2-DIBROMO-3-CHL		UG/L	U		2	2
MOUND R1-2		PROPANE, 1,2-DIBROMO-3-CHL		UG/L	Ü		1	11
MOUND R1-3		PROPANE, 1,2-DIBROMO-3-CHL		UG/L	U		1	1
MOUND R1-4	1/26/00	PROPANE, 1,2-DIBROMO-3-CHL	1	UG/L	U		1	11
MOUND R1-E		PROPANE, 1,2-DIBROMO-3-CHL		UG/L	U		1	1
MOUND R2-E		PROPANE, 1,2-DIBROMO-3-CHL		UG/L	U	<u> </u>	10	110
MOUND R1-0 MOUND R1-1			10	UG/L UG/L	U		10	10
MOUND R1-1		sec-BUTYLBENZENE	1	UG/L	U		1	1
MOUND R1-3			1	UG/L	U		1	1
MOUND R1-4			1	UG/L	Ü		1	1
MOUND R1-E	1/26/00	sec-BUTYLBENZENE	1	UG/L	U		1	1
MOUND R2-E		sec-BUTYLBENZENE	1	UG/L	U		1	1
MOUND R1-0			13.4	UG/L		V1	1.1	1
MOUND R1-0		SELENIUM	13.1	UG/L	111	V1	1.1	1 1
MOUND R1-1 MOUND R1-1		SELENIUM SELENIUM	.1.1 .1.1	UG/L UG/L	U	J1 J1	1.1	1
MOUND R1-1		SELENIUM	1.1	UG/L	U	J1	1.1	1
	1/20/00	J	1	00/2	10	1		

Location	Sample Dare	Analyte	Result	Unit	Lat Qualifier	Validation Qualitier	Detection Limit	Dilution Factor
THE TOP TO WEST CONTROL OF THE PARTY OF THE	4/00/00	OF FAMILY						2 6 2 6 6
MOUND R1-2 MOUND R1-3		SELENIUM SELENIUM	1.7	UG/L UG/L	B	J1 J1	1.1	1
MOUND R1-3		SELENIUM	1.1	UG/L	Ü	J1	1.1	1
MOUND R1-4	1/26/00	SELENIUM	1.1	UG/L	U	J1	1.1	1
MOUND R1-4		SELENIUM	1.1	ÚG/L	U	J1	1.1	1
MOUND R1-E MOUND R1-E		SELENIUM SELENIUM	1.1	UG/L UG/L	U	J1 J1	1.1	1
MOUND R2-E		SELENIUM	1.1	UG/L	U	J1	1.1	1
MOUND R2-E		SELENIUM	1.1	UG/L	U	J1	1.1	1
MOUND R1-0		SILVER	0.22	UG/L	U	V1	0.22	1
MOUND R1-0 MOUND R1-1		SILVER SILVER	0.22	UG/L	U	V1 V1	0.22 0.22	1
MOUND R1-1		SILVER	0.22	UG/L UG/L	U	V1	0.22	1
MOUND R1-2		SILVER	0.22	UG/L	Ü	V1	0.22	1
MOUND R1-2		SILVER	0.22	UG/L	U	V1	0.22	1
MOUND R1-3		SILVER	0.22	UG/L	U	V1	0.22	1
MOUND R1-3		SILVER	0.22	UG/L	U	V1	0.22	1
MOUND R1-4 MOUND R1-4		SILVER SILVER	0.22	UG/L UG/L	U	V1 V1	0.22 0.22	1
MOUND R1-E		SILVER	0.22	UG/L	Ü	V1	0.22	1
MOUND R1-E		SILVER	0.22	UG/L	U	V1	0.22	1
MOUND R2-E		SILVER	0.22	UG/L	U	V1	0.22	1
MOUND R2-E		SILVER	0.22	UG/L	U	V1	0.22	1
MOUND R1-0 MOUND R1-0		SODIUM SODIUM	76500	UG/L	-	V1 V1	33.2 33.2	5
MOUND R1-1		SODIUM	75400 75100	UG/L UG/L	-	V1	33.2	5
MOUND R1-1		SODIUM	75800	UG/L	-	V1	33.2	5
MOUND R1-2		SODIUM	74500	UG/L		V1	33.2	5
MOUND R1-2		SODIUM	73600	UG/L		V1	33.2	5
MOUND R1-3		SODIUM	75900	UG/L		V1	33.2	5
MOUND R1-3 MOUND R1-4		SODIUM SODIUM	76600 74100	UG/L UG/L	 -	V1 V1	33.2 33.2	5
MOUND R1-4		SODIUM	74500	UG/L	 	V1	33.2	5
MOUND R1-E		SODIUM	74800	UG/L	<u> </u>	V1	33.2	5
MOUND R1-E		SODIUM	77100	UG/L		V1	33.2	5
MOUND R2-E		SODIUM	74200	UG/L		V1	33.2	5
MOUND R2-E MOUND R1-0		SODIUM STRONTIUM	75200 938	UG/L UG/L		V1 V1	33.2 0.02	5
MOUND R1-0		STRONTIUM	921	UG/L	 	V1	0.02	1
MOUND R1-1		STRONTIUM	347	UG/L	 	V1	0.02	1
MOUND R1-1	1/26/00	STRONTIUM	378	UG/L		V1	0.02	1
MOUND R1-2		STRONTIUM	10.2	UG/L	В	V1	0.02	1
MOUND R1-2 MOUND R1-3		STRONTIUM STRONTIUM	10.3	UG/L UG/L	В	V1 V1	0.02	1
MOUND R1-3		STRONTIUM	5.6 6.2	UG/L	В	V1	0.02	1
MOUND R1-4		STRONTIUM	4.1	UG/L	В	V1	0.02	1
MOUND R1-4		STRONTIUM	4.2	UG/L	В	V1	0.02	1
MOUND R1-E		STRONTIUM	8	UG/L	В	V1	0.02	1
MOUND R1-E MOUND R2-E		STRONTIUM STRONTIUM	7.9	UG/L UG/L	В	V1 V1	0.02	1
MOUND R2-E		STRONTIUM	8.2	UG/L	В	V1	0.02	1
MOUND R1-0		STYRENE	10	UG/L	Ū		10	10
MOUND R1-1	1/26/00	STYRENE	2	UG/L	U		2	2
MOUND R1-2		STYRENE	1	UG/L	U		1	1
MOUND R1-3 MOUND R1-4		STYRENE STYRENE	1	UG/L	U		1	1
MOUND R1-E		STYRENE	1	UG/L UG/L	U		1	1
MOUND R2-E		STYRENE	1	UG/L	U		1	1
MOUND R1-0		SULFATE	75	MG/L			1	1
MOUND R1-1		SULFATE	24	MG/L			1	
MOUND R1-2 MOUND R1-3		SULFATE	1	MG/L	U		1	-
MOUND R1-3		SULFATE SULFATE	1	MG/L MG/L	U		1	-
MOUND R1-E		SULFATE	1	MG/L			1	!
MOUND R2-E	1/27/00	SULFATE	1	MG/L			1	
MOUND R2-E		SULFATE	1	MG/L			1	1
MOUND R1-0		tert-BUTYLBENZENE	10	UG/L	U		10	10
MOUND R1-1 MOUND R1-2		tert-BUTYLBENZENE tert-BUTYLBENZENE	1	UG/L UG/L	U		1	1
MOUND R1-3		tert-BUTYLBENZENE	11	UG/L	U		1	1
MOUND R1-4		tert-BUTYLBENZENE	1	UG/L	U		1	1
MOUND R1-E	1/26/00	tert-BUTYLBENZENE	1	UG/L	U		1	1
MOUND R2-E		tert-BUTYLBENZENE	1	UG/L	U		1	1
MOUND R1-0	1/27/00	TETRACHLOROETHENE	120	UG/L	1		10	10



Appendix A-Mound Plume Data, November Sampling Event

	Appendix	ound Plume Data, November			
Sample Number/Location		Сопрочно	Sample Result		Reporting Limit
ETI-R14-S-01-113099	30-Nov-99	trans-1,2-Dichloroethene	ND	ug/L	0.5
ETI-R1E-S-01-113099	30-Nov-99	trans-1,2-Dichloroethene	ND	ug/L	0.5
ETI-R2E-S-01-113099	30-Nov-99	trans-1,2-Dichloroethene	ND	ug/L	0.5
ETI-R10-S-01-113099	30-Nov-99	trans-1,3-Dichloropropene	ND	ug/L	2.5
ETI-R10-S-02-113099	30-Nov-99	trans-1,3-Dichloropropene	ND	ug/L	2.5
ETI-R10-S-03-113099	30-Nov-99	trans-1,3-Dichloropropene	ND	ug/L	2.5
ETI-R11-S-01-113099	30-Nov-99	trans-1,3-Dichloropropene	ND	ug/L	1
ETI-R11-S-02-113099	30-Nov-99	trans-1,3-Dichloropropene	ND	ug/L	1
ETI-R11-S-03-113099	30-Nov-99	trans-1,3-Dichloropropene	ND	ug/L	1
ETI-R12-S-01-113099	30-Nov-99	trans-1,3-Dichloropropene	ND	ug/L	1
ETI-R13-S-01-113099	30-Nov-99	trans-1,3-Dichloropropene	ND	ug/L	1
ETI-R14-S-01-113099	30-Nov-99	trans-1,3-Dichloropropene	ND	ug/L	1
ETI-R1E-S-01-113099	30-Nov-99	trans-1,3-Dichloropropene	ND	ug/L	1
ETI-R2E-S-01-113099	30-Nov-99	trans-1,3-Dichloropropene	ND .	ug/L	1
ETI-R10-S-01-113099	30-Nov-99	Trichloroethene	120	ug/L	2.5
ETI-R10-S-02-113099	30-Nov-99	Trichloroethene	110	ug/L	2.5
ETI-R10-S-03-113099	30-Nov-99	Trichloroethene	100	ug/L	2.5
ETI-R11-S-01-113099	30-Nov-99	Trichloroethene	45	ug/L	1
ETI-R11-S-02-113099	30-Nov-99	Trichloroethene	48	ug/L	1
ETI-R11-S-03-113099	30-Nov-99	Trichloroethene	47	ug/L	1
ETI-R12-S-01-113099	30-Nov-99	Trichloroethene	6.5	ug/L	1
ETI-R13-S-01-113099	30-Nov-99	Trichloroethene	3.2	ug/L	1
ETI-R14-S-01-113099	30-Nov-99	Trichloroethene	1.7	ug/L	1
ETI-R1E-S-01-113099	30-Nov-99	Trichloroethene	1.4	ug/L	1
ETI-R2E-S-01-113099	30-Nov-99	Trichloroethene	ND	ug/L	1
ETI-R10-S-01-113099	30-Nov-99	Vinyl chloride	ND	ug/L	2.8
ETI-R10-S-02-113099	30-Nov-99	Vinyl chloride	ND	ug/L	2.8
ETI-R10-S-03-113099	30-Nov-99	Vinyl chloride	ND	ug/L	2.8
ETI-R11-S-01-113099	30-Nov-99	Vinyl chloride	0.2	ug/L	1.1
ETI-R11-S-02-113099	30-Nov-99	Vinyl chloride	0.21	ug/L	1.1
ETI-R11-S-03-113099	30-Nov-99	Vinyl chloride	0.2	ug/L	1.1
ETI-R12-S-01-113099	30-Nov-99	Vinyl chloride	0.22	ug/L	1.1
ETI-R13-S-01-113099	30-Nov-99	Vinyl chloride	0.21	ug/L	1.1
ETI-R14-S-01-113099	30-Nov-99	Vinyl chloride	0.22	ug/L	1.1
ETI-R1E-S-01-113099	30-Nov-99	Vinyl chloride	0.2	ug/L	1.1
ETI-R2E-S-01-113099	30-Nov-99	Vinyl chloride	ND	ug/L	1.1
ETI-R10-S-01-113099	30-Nov-99	Xylenes (total)	ND	ug/L	2.5
ETI-R10-S-02-113099	30-Nov-99	Xylenes (total)	ND	ug/L	2.5
ETI-R10-S-03-113099	30-Nov-99	Xylenes (total)	ND	ug/L	2.5
ETI-R11-S-01-113099	30-Nov-99	Xylenes (total)	ND	ug/L	1
ETI-R11-S-02-113099	30-Nov-99	Xylenes (total)	ND	ug/L	1
ETI-R11-S-03-113099	30-Nov-99	Xylenes (total)	ND	ug/L	1
ETI-R12-S-01-113099	30-Nov-99	Xylenes (total)	ND	ug/L	1
ETI-R13-S-01-113099	30-Nov-99	Xylenes (total)	ND	ug/L	1
ETI-R14-S-01-113099	30-Nov-99	Xylenes (total)	ND	ug/L	1
ETI-R1E-S-01-113099	30-Nov-99	Xylenes (total)	ND	ug/L	1
ETI-R2E-S-01-113099	30-Nov-99	Xylenes (total)	ND	ug/L	1
	00 1101-33	A JOHO (WICH)	1110	108.5	<u>-</u>

Location	Sample Analyte	Result	Unit	Lab	Contract Con	Detection	1 SA
4.11	Date in the property of the second			Qualifier	Qualifier	Limit	Factor
MOUND R1-1	1/26/00 TETRACHLOROETHENE	36	UG/L			2	2
MOUND R1-2 MOUND R1-3	1/26/00 TETRACHLOROETHENE 1/26/00 TETRACHLOROETHENE	12	UG/L			1	1
MOUND R1-4	1/26/00 TETRACHLOROETHENE	8	UG/L UG/L			1	1
MOUND R1-E	1/26/00 TETRACHLOROETHENE	1	UG/L	U		1	1
MOUND R2-E MOUND R1-0	1/27/00 TETRACHLOROETHENE 1/27/00 THALLIUM	0.1	UG/L UG/L	J	V1	0.92	1
MOUND R1-0	1/27/00 THALLIUM	1.1	UG/L	В	J1	0.92	1
MOUND R1-1	1/26/00 THALLIUM	0.92	UG/L	U	V1	0.92	1
MOUND R1-1 MOUND R1-2	1/26/00 THALLIUM 1/26/00 THALLIUM	0.92	UG/L	U	V1	0.92	1
MOUND R1-2	1/26/00 THALLIUM	0.92	UG/L UG/L	B	J1 V1	0.92	1
MOUND R1-3	1/26/00 THALLIUM	0.92	UG/L	U	V1	0.92	1
MOUND R1-3 MOUND R1-4	1/26/00 THALLIUM 1/26/00 THALLIUM	0.92	UG/L UG/L	U	V1 V1	0.92	1
MOUND R1-4	1/26/00 THALLIUM	0.92	UG/L	U	V1	0.92	1
MOUND R1-E	1/26/00 THALLIUM	0.92	UG/L	U	V1	0.92	1
MOUND R1-E MOUND R2-E	1/26/00 THALLIUM 1/27/00 THALLIUM	0.92	UG/L UG/L	U	V1	0.92	1
MOUND R2-E	1/27/00 THALLIUM	0.92	UG/L	U	V1 V1	0.92	1
MOUND R1-0	1/27/00 TIN	0.48	UG/L	U	V1	0.48	1
MOUND R1-0 MOUND R1-1	1/27/00 TIN 1/26/00 TIN	0.48	UG/L	Ü	V1	0.48	1
MOUND R1-1	1/26/00 TIN	0.48	UG/L UG/L	U	V1 V1	0.48 0.48	1
MOUND R1-2	1/26/00 TIN	0.48	UG/L	Ū	V1	0.48	1
MOUND R1-2 MOUND R1-3	1/26/00 TIN 1/26/00 TIN	0.48	UG/L	U	V1	0.48	1
MOUND R1-3	1/26/00 TIN	0.98	UG/L UG/L	U	V1 V1	0.48	1
MOUND R1-4	1/26/00 TIN	0.48	UG/L	Ü	V1	0.48	1
MOUND R1-4	1/26/00 TIN	0.48	UG/L	U	V1	0.48	1
MOUND R1-E	1/26/00 TIN 1/26/00 TIN	0.48	UG/L	U	V1 V1	0.48 0.48	1
MOUND R2-E	1/27/00 TIN	0.48	UG/L	U	V1	0.48	1
MOUND R2-E	1/27/00 TIN	0.48	UG/L	U	V1	0.48	1
MOUND R1-0 MOUND R1-1	1/27/00 TOLUENE 1/26/00 TOLUENE	10	UG/L UG/L	U		2	10
MOUND R1-2	1/26/00 TOLUENE	0.1	UG/L	J		1	1
MOUND R1-3	1/26/00 TOLUENE	1	UG/L	U_		1	1
MOUND R1-4 MOUND R1-E	1/26/00 TOLUENE 1/26/00 TOLUENE	1	UG/L UG/L	U		1	1
MOUND R2-E	1/27/00 TOLUENE	1	UG/L	U		1	1
MOUND R1-0	1/27/00 TOTAL XYLENES	10	UG/L	U		10	10
MOUND R1-1 MOUND R1-2	1/26/00 TOTAL XYLENES 1/26/00 TOTAL XYLENES	1	UG/L UG/L	U		1	2
MOUND R1-3	1/26/00 TOTAL XYLENES	1	UG/L	U	·	1	1
MOUND R1-4	1/26/00 TOTAL XYLENES	1	UG/L	U		1	1
MOUND R1-E MOUND R2-E	1/26/00 TOTAL XYLENES 1/27/00 TOTAL XYLENES	1	UG/L UG/L	U	·	1	1
MOUND R1-0	1/27/00 trans-1,2-DICHLOROETHENE	10	UG/L	U		10	10
MOUND R1-1	1/26/00 trans-1,2-DICHLOROETHENE	2	UG/L	U		2	2
MOUND R1-2 MOUND R1-3	1/26/00 trans-1,2-DICHLOROETHENE 1/26/00 trans-1,2-DICHLOROETHENE	1	UG/L UG/L	U		1	1
MOUND R1-4	1/26/00 trans-1,2-DICHLOROETHENE	1	UG/L	Ü		1	1
MOUND R1-E	1/26/00 trans-1,2-DICHLOROETHENE	1	UG/L	U		1	1
MOUND R2-E MOUND R1-0	1/27/00 trans-1,2-DICHLOROETHENE 1/27/00 trans-1,3-DICHLOROPROPENE	10	UG/L UG/L	U		10	10
MOUND R1-1	1/26/00 trans-1,3-DICHLOROPROPENE		UG/L	U		2	2
MOUND R1-2	1/26/00 trans-1,3-DICHLOROPROPENE	1	UG/L	U		1	1
MOUND R1-3 MOUND R1-4	1/26/00 trans-1,3-DICHLOROPROPENE 1/26/00 trans-1,3-DICHLOROPROPENE		UG/L	U		1	1
MOUND R1-E	1/26/00 trans-1,3-DICHLOROPROPENE	1	UG/L UG/L	U		1	1
MOUND R2-E	1/27/00 trans-1,3-DICHLOROPROPENE	1	UG/L	Ū_		1	1
MOUND R1-0 MOUND R1-1	1/27/00 TRICHLOROETHENE 1/26/00 TRICHLOROETHENE	150 44	UG/L UG/L			10	10
MOUND R1-2		10	UG/L			1	1
MOUND R1-3	1/26/00 TRICHLOROETHENE	6	UG/L			1	1
MOUND R1-4 MOUND R1-E		3	UG/L			1	1
MOUND R2-E	1/27/00 TRICHLOROETHENE	1	UG/L UG/L	U		1	1
MOUND R1-0	1/27/00 TRICHLOROFLUOROMETHANE	10	UG/L	U .		10	10
MOUND R1-1 MOUND R1-2	1/26/00 TRICHLOROFLUOROMETHANE 1/26/00 TRICHLOROFLUOROMETHANE	2	UG/L	U		2	2
MOUND R1-3	1/26/00 TRICHLOROFLUOROMETHANE 1/26/00 TRICHLOROFLUOROMETHANE	11	UG/L UG/L	U		1	1
MOUND R1-4	1/26/00 TRICHLOROFLUOROMETHANE	1	UG/L	U			1

Appendix A -Mound Plume Data January Sampling Event

MOUND R1-E 1/28/00 TRICHLOROF LUOROMETHANE 1 UGGL U 1 1 1 MOUND R2-E 1/27/00 TRICHLOROMETHANE 1 UGGL U 1 1 1 MOUND R1-0 1/27/20 TRICHLOROF LUOROMETHANE 1 UGGL U 1 1 1 MOUND R1-0 1/27/20 TRICHLOROF LUOROMETHANE 1 UGGL U 1 1 1 MOUND R1-0 1/27/20 TRICHLOROF LUOROMETHANE 1 UGGL U V1 1.5495 MOUND R1-0 1/27/20 TRICHLOROF LUOROMETHANE 1 UGGL U V1 1.5495 MOUND R1-0 1/27/20 TRICHLOROF LUOROMETHANE 1 UGGL U V1 1.5495 MOUND R1-0 1/27/20 TRICHLOROF LUOROMETHANE 1 UGGL U V1 1.5495 MOUND R1-0 1/27/20 TRICHLOROF LUOROMETHANE 1 UGGL U V1 1.5495 MOUND R1-0 1/27/20 TRICHLOROF LUOROMETHANE 1 UGGL U V1 1.5495 MOUND R1-1 1/27/20 TRICHLOROF LUOROMETHANE 1 UGGL U V1 1.5495 MOUND R1-1 1/27/20 TRICHLOROF LUOROMETHANE 1 UGGL U V1 0.155 MOUND R1-1 1/27/20 TRICHLOROF LUOROMETHANE UGGL U V1 0.155 MOUND R1-1 1/27/20 TRICHLOROF LUOROMETHANE UGGL U V1 0.155 MOUND R1-1 1/27/20 TRICHLOROF LUOROMETHANE UGGL U V1 0.155 MOUND R1-1 1/27/20 TRICHLOROF LUOROMETHANE UGGL U V1 0.155 MOUND R1-1 1/27/20 TRICHLOROF LUOROMETHANE UGGL U V1 0.155 MOUND R1-1 1/27/20 TRICHLOROF LUOROMETHANE UGGL U V1 0.155 MOUND R1-1 1/27/20 TRICHLOROF LUOROMETHANE UGGL U V1 0.155 MOUND R1-1 1/27/20 TRICHLOROF LUOROMETHANE UGGL U V1 0.155 MOUND R1-1 1/27/20 TRICHLOROF LUOROMETHANE UGGL U V1 0.155 MOUND R1-1 1/27/20 TRICHLOROF LUOROMETHANE UGGL U V1 0.155 MOUND R1-1 1/27/20 TRICHLOROF LUOROMETHANE UGGL U V1 0.155 MOUND R1-1 1/27/20 TRICHLOROF LUOROMETHANE UGGL U V1 0.155 MOUND R1-1 1/27/20 TRICHLOROF LUOROMETHANE UGGL U V1 0.155 MOUND R1-1 1/27/20 TRICHLOROF LUOROMETHANE UGGL U V1 0.155 MOUND R1-1 1/27/20 TRICHLOROF LUOROMETHANE UGGL U V1 0.155 MOUND R1-1 1/27/20 TRICHL	Location	*Camplo*	Analyta	#Result	Unit	Lab	Validation	Petection	Dilition
MOUND R1-E 1/26/100 TRICHLLOROFLUOROMETHANE UG/L U	Cocation	ASSESSMENT OF THE PARTY OF THE	Audye	Result	经产品的				
MOUND R1-E 1/28/00 TRICHLOROF-LUOROMETHANE U.G.L U			20 06年3月2日 - 15月			The state of the s	OF THE RESIDENCE OF THE PARTY O		
MOUND R1-0 1272899 URANIUM, TOTAL 12,695 UGAL V1 1,5495 MOUND R1-0 1272899 URANIUM, TOTAL 13,5757 UGAL V1 1,5495 MOUND R1-0 1272899 URANIUM, TOTAL 13,5757 UGAL V1 1,5495 MOUND R1-0 1272899 URANIUM, TOTAL 13,2857 UGAL V1 1,5495 MOUND R1-0 1272899 URANIUM, TOTAL 13,0898 UGAL V1 1,5495 MOUND R1-0 1272899 URANIUM, TOTAL 13,0898 UGAL V1 1,5495 MOUND R1-1 1272899 URANIUM, TOTAL 13,0998 UGAL V1 1,5495 MOUND R1-1 1272899 URANIUM, TOTAL 0 UGAL U V1 0,155 MOUND R1-1 1272899 URANIUM, TOTAL 0 UGAL U V1 0,155 MOUND R1-1 1272899 URANIUM, TOTAL 0 UGAL U V1 0,155 MOUND R1-1 1272899 URANIUM, TOTAL 0 UGAL U V1 0,155 MOUND R1-1 1272899 URANIUM, TOTAL 0 UGAL U V1 0,155 MOUND R1-1 1272899 URANIUM, TOTAL 0 UGAL U V1 0,155 MOUND R1-1 1272899 URANIUM, TOTAL 0 UGAL U V1 0,155 MOUND R1-1 1272899 URANIUM, TOTAL 0 UGAL U V1 0,155 MOUND R1-2 1272800 URANIUM, TOTAL 0 UGAL U V1 0,155 MOUND R1-2 1272800 URANIUM, TOTAL 0 UGAL U V1 0,155 MOUND R1-2 1272800 URANIUM, TOTAL 0 UGAL U V1 0,155 MOUND R1-3 1272800 URANIUM, TOTAL 0 UGAL U V1 0,155 MOUND R1-3 1272800 URANIUM, TOTAL 0 UGAL U V1 0,155 MOUND R1-4 1272899 URANIUM, TOTAL 0 UGAL U V1 0,155 MOUND R1-4 1272899 URANIUM, TOTAL 0 UGAL U V1 0,155 MOUND R1-4 1272899 URANIUM, TOTAL 0 UGAL U V1 0,155 MOUND R1-6 1272899 URANIUM, TOTAL 0 UGAL U V1 0,155 MOUND R1-6 1272899 URANIUM, TOTAL 0 UGAL U V1 0,155 MOUND R1-7 1272899 URANIUM, TOTAL 0 UGAL U V1 0,155 MOUND R1-7 1272899 URANIUM, TOTAL 0 UGAL U V1 0,155 MOUND R1-7 1272899 URANIUM, TOTAL 0 UGAL U V1 0,155 MOUND R1-8 1272899 URANIUM, TOTAL 0 UGAL U V1 0,155 MOUND R1-7 1272899 URANIUM, TOTAL 0 UGAL U				1	UG/L	U		1	1
MOUND R1-0 12/28/99 URANIUM, TOTAL 13.5757 U.G.L V1 1.5495 MOUND R1-0 12/28/99 URANIUM, TOTAL 11.373 U.G.L V1 1.5495 MOUND R1-0 12/28/99 URANIUM, TOTAL 13.2857 U.G.L V1 1.5495 MOUND R1-0 12/28/99 URANIUM, TOTAL 13.2857 U.G.L V1 1.5495 MOUND R1-0 12/28/99 URANIUM, TOTAL 13.0998 U.G.L V1 1.5495 MOUND R1-1 12/28/99 URANIUM, TOTAL 13.0998 U.G.L V1 1.5495 MOUND R1-1 12/28/99 URANIUM, TOTAL 0 U.G.L U V1 0.155 MOUND R1-1 12/28/99 URANIUM, TOTAL 0 U.G.L U V1 0.155 MOUND R1-1 12/28/99 URANIUM, TOTAL 0 U.G.L U V1 0.155 MOUND R1-1 12/28/99 URANIUM, TOTAL 0 U.G.L U V1 0.155 MOUND R1-1 12/28/99 URANIUM, TOTAL 0 U.G.L U V1 0.155 MOUND R1-1 12/28/99 URANIUM, TOTAL 0 U.G.L U V1 0.155 MOUND R1-1 12/28/99 URANIUM, TOTAL 0 U.G.L U V1 0.155 MOUND R1-1 12/28/99 URANIUM, TOTAL 0 U.G.L U V1 0.155 MOUND R1-1 12/28/99 URANIUM, TOTAL 0 U.G.L U V1 0.155 MOUND R1-2 12/28/00 URANIUM, TOTAL 0 U.G.L U V1 0.155 MOUND R1-2 12/28/00 URANIUM, TOTAL 0 U.G.L U V1 0.155 MOUND R1-3 12/28/00 URANIUM, TOTAL 0 U.G.L U V1 0.155 MOUND R1-3 12/28/00 URANIUM, TOTAL 0 U.G.L U V1 0.155 MOUND R1-3 12/28/00 URANIUM, TOTAL 0 U.G.L U V1 0.155 MOUND R1-4 12/28/00 URANIUM, TOTAL 0 U.G.L U V1 0.155 MOUND R1-4 12/28/00 URANIUM, TOTAL 0 U.G.L U V1 0.155 MOUND R1-4 12/28/00 URANIUM, TOTAL 0 U.G.L U V1 0.155 MOUND R1-6 12/28/09 URANIUM, TOTAL 0 U.G.L U V1 0.155 MOUND R1-6 12/28/09 URANIUM, TOTAL 0 U.G.L U V1 0.155 MOUND R1-6 12/28/09 URANIUM, TOTAL 0 U.G.L U V1 0.155 MOUND R1-6 12/28/09 URANIUM, TOTAL 0 U.G.L U V1 0.155 MOUND R1-6 12/28/09 URANIUM, TOTAL 0 U.G.L U V1 0.155 MOUND R1-6 12/28/09 URANIUM, TOTAL 0 U.G.L U V1 0.155	MOUND R2-E			1	UG/L	U			1
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MOUND R1-2 12/28/00 URANIUM, TOTAL 0 UG/L U V1 0.155 UG/L U V1 0.1279 UG/L U V1 0.1279 UG/L U V1 0.1279 UG/L U V1 0.1279 UG/L U V1 0.155 UG/L U V1 U/L	MOUND R1-2								
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MOUND R1-4									
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MOUND R1-4	MOUND R1-3	1/26/00	VANADIUM	0.15	UG/L		V1		1
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MOUND R1-2 1/26/00 ZINC 1.1 UG/L B J1 0.2 1 MOUND R1-3 1/26/00 ZINC 0.85 UG/L B J1 0.2 1 MOUND R1-3 1/26/00 ZINC 1 UG/L B J1 0.2 1 MOUND R1-4 1/26/00 ZINC 0.64 UG/L B J1 0.2 1 MOUND R1-4 1/26/00 ZINC 3.2 UG/L B V1 0.2 1 MOUND R1-E 1/26/00 ZINC 0.84 UG/L B J1 0.2 1 MOUND R1-E 1/26/00 ZINC 1.1 UG/L B J1 0.2 1 MOUND R2-E 1/27/00 ZINC 1 UG/L B J1 0.2 1									
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MOUND R1-3 1/26/00 ZINC 1 UG/L B J1 0.2 1 MOUND R1-4 1/26/00 ZINC 0.64 UG/L B J1 0.2 1 MOUND R1-4 1/26/00 ZINC 3.2 UG/L B V1 0.2 1 MOUND R1-E 1/26/00 ZINC 0.84 UG/L B J1 0.2 1 MOUND R1-E 1/26/00 ZINC 1.1 UG/L B J1 0.2 1 MOUND R2-E 1/27/00 ZINC 1 UG/L B J1 0.2 1									
MOUND R1-4 1/26/00 ZINC 0.64 UG/L B J1 0.2 1 MOUND R1-4 1/26/00 ZINC 3.2 UG/L B V1 0.2 1 MOUND R1-E 1/26/00 ZINC 0.84 UG/L B J1 0.2 1 MOUND R1-E 1/26/00 ZINC 1.1 UG/L B J1 0.2 1 MOUND R2-E 1/27/00 ZINC 1 UG/L B J1 0.2 1									
MOUND R1-4 1/26/00 ZINC 3.2 UG/L B V1 0.2 1 MOUND R1-E 1/26/00 ZINC 0.84 UG/L B J1 0.2 1 MOUND R1-E 1/26/00 ZINC 1.1 UG/L B J1 0.2 1 MOUND R2-E 1/27/00 ZINC 1 UG/L B J1 0.2 1									
MOUND R1-E 1/26/00 ZINC 0.84 UG/L B J1 0.2 1 MOUND R1-E 1/26/00 ZINC 1.1 UG/L B J1 0.2 1 MOUND R2-E 1/27/00 ZINC 1 UG/L B J1 0.2 1									
MOUND R1-E 1/26/00 ZINC 1.1 UG/L B J1 0.2 1 MOUND R2-E 1/27/00 ZINC 1 UG/L B J1 0.2 1									
MOUND R2-E 1/27/00 ZINC 1 UG/L B J1 0.2 1									
	MOUND R2-E								

Sample		bund Flume Data, November			
Number/Location	Collection Date	Conspositio	Sample Result	Umits	Reporting Limit
ETI-R10-S-01-113099	30-Nov-99	1,1,1-Trichloroethane	6.2	ug/L	2
ETI-R10-S-02-113099	30-Nov-99	1,1,1-Trichloroethane	5.5	ug/L	2
ETI-R10-S-03-113099	30-Nov-99	1,1,1-Trichloroethane	5.5	ug/L	_ 2
ETI-R11-S-01-113099	30-Nov-99	1,1,1-Trichloroethane	1.1	ug/L	0.8
ETI-R11-S-02-113099	30-Nov-99	1,1,1-Trichloroethane	1.3	ug/L	0.8
ETI-R11-S-03-113099	30-Nov-99	1,1,1-Trichloroethane	1.2	ug/L	0.8
ETI-R12-S-01-113099	30-Nov-99	1,1,1-Trichloroethane	ND	ug/L	0.8
ETI-R13-S-01-113099	30-Nov-99	1,1,1-Trichloroethane	ND	ug/L	0.8
ETI-R14-S-01-113099	30-Nov-99	1,1,1-Trichloroethane	ND	ug/L	0.8
ETI-R1E-S-01-113099	30-Nov-99	1,1,1-Trichloroethane	ND	ug/L	0.8
ETI-R2E-S-01-113099	30-Nov-99	1,1,1-Trichloroethane	ND	ug/L	0.8
ETI-R10-S-01-113099	30-Nov-99	1,1,2,2-Tetrachloroethane	ND	ug/L	2.5
ETI-R10-S-02-113099	30-Nov-99	1,1,2,2-Tetrachloroethane	ND	ug/L	2.5
ETI-R10-S-03-113099	30-Nov-99	1,1,2,2-Tetrachloroethane	ND	ug/L	2.5
ETI-R11-S-01-113099	30-Nov-99	1,1,2,2-Tetrachloroethane	ND	ug/L	1
ETI-R11-S-02-113099	30-Nov-99	1,1,2,2-Tetrachloroethane	ND	ug/L	1
ETI-R11-S-03-113099	30-Nov-99	1,1,2,2-Tetrachloroethane	ND	ug/L	1
ETI-R12-S-01-113099	30-Nov-99	1,1,2,2-Tetrachloroethane	ND	ug/L	1
ETI-R13-S-01-113099	30-Nov-99	1,1,2,2-Tetrachloroethane	ND	ug/L	1
ETI-R14-S-01-113099	30-Nov-99	1,1,2,2-Tetrachloroethane	ND	ug/L	1
ETI-R1E-S-01-113099	30-Nov-99	1,1,2,2-Tetrachloroethane	ND	ug/L	1
ETI-R2E-S-01-113099	30-Nov-99	1,1,2,2-Tetrachloroethane	ND	ug/L	1
ETI-R10-S-01-113099	30-Nov-99	1,1,2-Trichloroethane	ND	ug/L	2.5
ETI-R10-S-02-113099	30-Nov-99	1,1,2-Trichloroethane	ND	ug/L	2.5
ETI-R10-S-03-113099	30-Nov-99	1,1,2-Trichloroethane	ND	ug/L	2.5
ETI-R11-S-01-113099	30-Nov-99	1,1,2-Trichloroethane	ND	ug/L	1
ETI-R11-S-02-113099	30-Nov-99	1,1,2-Trichloroethane	ND	ug/L	1
ETI-R11-S-03-113099	30-Nov-99	1,1,2-Trichloroethane	ND	ug/L	1
ETI-R12-S-01-113099	30-Nov-99	1,1,2-Trichloroethane	ND	ug/L	1
ETI-R13-S-01-113099	30-Nov-99	1,1,2-Trichloroethane	ND	ug/L	1
ETI-R14-S-01-113099	30-Nov-99	1,1,2-Trichloroethane	ND	ug/L	1
ETI-R1E-S-01-113099	30-Nov-99	1,1,2-Trichloroethane	ND	ug/L	1
ETI-R2E-S-01-113099	30-Nov-99	1,1,2-Trichloroethane	ND	ug/L	1
ETI-R10-S-01-113099	30-Nov-99	1,1-Dichloroethane	1.3	ug/L	3
ETI-R10-S-02-113099	30-Nov-99	1,1-Dichloroethane	1.2	ug/L	3
ETI-R10-S-03-113099	30-Nov-99	1,1-Dichloroethane	1.2	ug/L	3
ETI-R11-S-01-113099	30-Nov-99	1,1-Dichloroethane	1.7	ug/L	1.2
ETI-R11-S-02-113099	30-Nov-99	1,1-Dichloroethane	1.7	ug/L	1.2
ETI-R11-S-03-113099	30-Nov-99	1,1-Dichloroethane	1.7	ug/L	1.2
ETI-R12-S-01-113099	30-Nov-99	1,1-Dichloroethane	1.8	ug/L	1.2
ETI-R13-S-01-113099	30-Nov-99	1,1-Dichloroethane	1.6	ug/L	1.2
ETI-R14-S-01-113099	30-Nov-99	1,1-Dichloroethane	1.7	ug/L	1.2
ETI-R1E-S-01-113099	30-Nov-99	1,1-Dichloroethane	1.6	ug/L	1.2
ETI-R2E-S-01-113099	30-Nov-99	1,1-Dichloroethane	1.1	ug/L	1.2
ETI-R10-S-01-113099	30-Nov-99	1,1-Dichloroethene	8.4	ug/L	2.5
ETI-R10-S-02-113099 ETI-R10-S-03-113099	30-Nov-99	1,1-Dichloroethene	7.1	ug/L	2.5
ETI-R10-S-03-113099 ETI-R11-S-01-113099	30-Nov-99 30-Nov-99	1,1-Dichloroethene	6.8	ug/L	2.5
ETI-R11-S-02-113099	30-Nov-99	1,1-Dichloroethene	4.4	ug/L	1
ETI-R11-S-03-113099	30-Nov-99	1,1-Dichloroethene	4.6	ug/L ug/L	1
ETI-R12-S-01-113099	30-Nov-99	1,1-Dichloroethene	2	ug/L ug/L	1
ETI-R13-S-01-113099	30-Nov-99	1,1-Dichloroethene	1.6	ug/L	1
ETI-R14-S-01-113099	30-Nov-99	1,1-Dichloroethene	1.3	ug/L	1
ETI-R1E-S-01-113099	30-Nov-99	1,1-Dichloroethene	1.1	ug/L	1
ETI-R2E-S-01-113099	30-Nov-99	1,1-Dichloroethene	ND	ug/L	1
ETI-R10-S-01-113099	30-Nov-99	1,2-Dichloroethane	0.72	ug/L	2.5
ETI-R10-S-02-113099	30-Nov-99	1,2-Dichloroethane	0.72	ug/L	2.5
ETI-R10-S-03-113099	30-Nov-99	1,2-Dichloroethane	0.77	ug/L	2.5
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	Collection Date	Competind	Sample Result	Units	Reporting Limit
ETI-R11-S-01-113099	30-Nov-99	1,2-Dichloroethane	0.71	ug/L	1
ETI-R11-S-02-113099	30-Nov-99	1,2-Dichloroethane	0.73	ug/L	ļ <u>'</u>
ETI-R11-S-03-113099	30-Nov-99	1,2-Dichloroethane	0.74	ug/L	1
ETI-R12-S-01-113099	30-Nov-99	1,2-Dichloroethane	0.66	ug/L	
ETI-R13-S-01-113099	30-Nov-99	1,2-Dichloroethane	0.64	ug/L	1
ETI-R14-S-01-113099	30-Nov-99	1,2-Dichloroethane	0.63	ug/L	1
ETI-R1E-S-01-113099	30-Nov-99	1,2-Dichloroethane	0.58	ug/L	1
ETI-R2E-S-01-113099	30-Nov-99	1,2-Dichloroethane	0.48	ug/L	1
ETI-R10-S-01-113099	30-Nov-99	1,2-Dichloroethane-d4	89	%	100
ETI-R10-S-02-113099	30-Nov-99	1,2-Dichloroethane-d4	96	%	100
ETI-R10-S-03-113099	30-Nov-99	1,2-Dichloroethane-d4	98	%	100
ETI-R11-S-01-113099	30-Nov-99	1,2-Dichloroethane-d4	101	%	100
ETI-R11-S-02-113099	30-Nov-99	1,2-Dichloroethane-d4	104	%	100
ETI-R11-S-03-113099	30-Nov-99	1,2-Dichloroethane-d4	103	%	100
ETI-R12-S-01-113099	30-Nov-99	1,2-Dichloroethane-d4	102	%	100
ETI-R13-S-01-113099	30-Nov-99	1,2-Dichloroethane-d4	103	%	100
ETI-R14-S-01-113099	30-Nov-99	1,2-Dichloroethane-d4	101	%	100
ETI-R1E-S-01-113099	30-Nov-99	1,2-Dichloroethane-d4	102	%	100
ETI-R2E-S-01-113099	30-Nov-99	1,2-Dichloroethane-d4	102	%	100
ETI-R10-S-01-113099	30-Nov-99	1,2-Dichloroethene (total)	35	ug/L	2.5
ETI-R10-S-02-113099	30-Nov-99	1,2-Dichloroethene (total)	32	ug/L	2.5
ETI-R10-S-03-113099	30-Nov-99	1,2-Dichloroethene (total)	33	ug/L	2.5
ETI-R11-S-01-113099	30-Nov-99	1,2-Dichloroethene (total)	25	ug/L	1
ETI-R11-S-02-113099	30-Nov-99	1,2-Dichloroethene (total)	26	ug/L	1
ETI-R11-S-03-113099	30-Nov-99	1,2-Dichloroethene (total)	26	ug/L	1
ETI-R12-S-01-113099	30-Nov-99	1,2-Dichloroethene (total)	16	ug/L	1
ETI-R13-S-01-113099	30-Nov-99	1,2-Dichloroethene (total)	13	ug/L	1
ETI-R14-S-01-113099	30-Nov-99	1,2-Dichloroethene (total)	12	ug/L	1
ETI-R1E-S-01-113099	30-Nov-99	1,2-Dichloroethene (total)	10	ug/L	1
ETI-R2E-S-01-113099	30-Nov-99	1,2-Dichloroethene (total)	1.8	ug/L	1
ETI-R10-S-01-113099	30-Nov-99	1,2-Dichloropropane	ND	ug/L	2.5
ETI-R10-S-02-113099	30-Nov-99	1,2-Dichloropropane	ND	ug/L	2.5
ETI-R10-S-03-113099	30-Nov-99	1,2-Dichloropropane	ND	ug/L	2.5
ETI-R11-S-01-113099	30-Nov-99	1,2-Dichloropropane	ND	ug/L	1
ETI-R11-S-02-113099	30-Nov-99	1,2-Dichloropropane	ND	ug/L	1
ETI-R11-S-03-113099	30-Nov-99	1,2-Dichloropropane	ND	ug/L	1
ETI-R12-S-01-113099	30-Nov-99	1,2-Dichloropropane	ND	ug/L	1
ETI-R13-S-01-113099	30-Nov-99	1,2-Dichloropropane	ND	ug/L	1
ETI-R14-S-01-113099	30-Nov-99	1,2-Dichloropropane	ND	ug/L	1
ETI-R1E-S-01-113099	30-Nov-99	1,2-Dichloropropane	ND	ug/L	1
ETI-R2E-S-01-113099	30-Nov-99	1,2-Dichloropropane	ND	ug/L	1
ETI-R10-S-01-113099	30-Nov-99	2-Butanone (MEK)	ND	ug/L	12
ETI-R10-S-02-113099	30-Nov-99	2-Butanone (MEK)	ND	ug/L	12
ETI-R10-S-03-113099	30-Nov-99	2-Butanone (MEK)	ND	ug/L	12
ETI-R11-S-01-113099	30-Nov-99	2-Butanone (MEK)	ND	ug/L	5
ETI-R11-S-02-113099	30-Nov-99	2-Butanone (MEK)	ND	ug/L	5 5
ETI-R11-S-03-113099	30-Nov-99	2-Butanone (MEK)	ND	ug/L	5
ETI-R12-S-01-113099	30-Nov-99	2-Butanone (MEK)	ND	ug/L	5
ETI-R13-S-01-113099	30-Nov-99	2-Butanone (MEK)	ND	ug/L	5
ETI-R14-S-01-113099	30-Nov-99	2-Butanone (MEK)	ND	ug/L	5
ETI-R1E-S-01-113099	30-Nov-99	2-Butanone (MEK)	ND	ug/L	5
ETI-R2E-S-01-113099	30-Nov-99	2-Butanone (MEK)	ND	ug/L	12
ETI-R10-S-01-113099	30-Nov-99	2-Hexanone	ND	ug/L	12
ETI-R10-S-02-113099	30-Nov-99	2-Hexanone	ND	ug/L	
ETI-R10-S-03-113099	30-Nov-99	2-Hexanone	ND	ug/L	12
ETI-R11-S-01-113099 ETI-R11-S-02-113099	30-Nov-99 30-Nov-99	2-Hexanone	ND	ug/L	5
ETI-R11-S-02-113099 ETI-R11-S-03-113099		2-Hexanone	ND	ug/L	5
F11-L11-9-09-119088	30-Nov-99	2-Hexanone	ND	lug/L	5

Sample		ound Fidine Data, November	Sample		Reporting
Number/Location	Collection Date	Compound	Result	Units 2	Limit
ETI-R12-S-01-113099	30-Nov-99	2-Hexanone	ND	ug/L	5
ETI-R13-S-01-113099	30-Nov-99	2-Hexanone	ND .	ug/L	5
ETI-R14-S-01-113099	30-Nov-99	2-Hexanone	ND	ug/L	5
ETI-R1E-S-01-113099	30-Nov-99	2-Hexanone	ND	ug/L	5
ETI-R2E-S-01-113099	30-Nov-99	2-Hexanone	ND	ug/L	5
ETI-R10-S-01-113099	30-Nov-99	4-Bromofluorobenzene	94	%	100
ETI-R10-S-02-113099	30-Nov-99	4-Bromofluorobenzene	95	%	100
ETI-R10-S-03-113099	30-Nov-99	4-Bromofluorobenzene	94	%	100
ETI-R11-S-01-113099	30-Nov-99	4-Bromofluorobenzene	96	%	100
ETI-R11-S-02-113099	30-Nov-99	4-Bromofluorobenzene	99	%	100
ETI-R11-S-03-113099	30-Nov-99	4-Bromofluorobenzene	98	%	100
ETI-R12-S-01-113099	30-Nov-99	4-Bromofluorobenzene	98	%	100
ETI-R13-S-01-113099	30-Nov-99	4-Bromofluorobenzene	99	%	100
ETI-R14-S-01-113099	30-Nov-99	4-Bromofluorobenzene	98	%	100
ETI-R1E-S-01-113099	30-Nov-99	4-Bromofluorobenzene	99	%	100
ETI-R2E-S-01-113099	30-Nov-99	4-Bromofluorobenzene	97	%	100
ETI-R10-S-01-113099	30-Nov-99	4-Methyl-2-pentanone	ND	ug/L	12
ETI-R10-S-02-113099	30-Nov-99	4-Methyl-2-pentanone	ND	ug/L	12
ETI-R10-S-03-113099	30-Nov-99	4-Methyl-2-pentanone	ND	ug/L	12
ETI-R11-S-01-113099	30-Nov-99	4-Methyl-2-pentanone	ND	ug/L	5
ETI-R11-S-02-113099	30-Nov-99	4-Methyl-2-pentanone	ND	ug/L	. 5
ETI-R11-S-03-113099	30-Nov-99	4-Methyl-2-pentanone	ND	ug/L	5
ETI-R12-S-01-113099	30-Nov-99	4-Methyl-2-pentanone	ND	ug/L	5 5 5
ETI-R13-S-01-113099	30-Nov-99	4-Methyl-2-pentanone	ND	ug/L	5
ETI-R14-S-01-113099	30-Nov-99	4-Methyl-2-pentanone	ND	ug/L	5
ETI-R1E-S-01-113099	30-Nov-99	4-Methyl-2-pentanone	ND	ug/L	5
ETI-R2E-S-01-113099	30-Nov-99	4-Methyl-2-pentanone	ND	ug/L	5
ETI-R10-S-01-113099	30-Nov-99	Acetone	ND	ug/L	25
ETI-R10-S-02-113099	30-Nov-99	Acetone	ND	ug/L	25
ETI-R10-S-03-113099	30-Nov-99	Acetone	ND	ug/L	25
ETI-R11-S-01-113099	30-Nov-99	Acetone	ND	ug/L	10
ETI-R11-S-02-113099	30-Nov-99	Acetone	ND	ug/L	10
ETI-R11-S-03-113099	30-Nov-99	Acetone	ND	ug/L	10
ETI-R12-S-01-113099	30-Nov-99	Acetone	ND	ug/L	10
ETI-R13-S-01-113099	30-Nov-99	Acetone	ND	ug/L	10
ETI-R14-S-01-113099	30-Nov-99	Acetone	ND	ug/L	10
ETI-R1E-S-01-113099	30-Nov-99	Acetone	ND	ug/L	10
ETI-R2E-S-01-113099	30-Nov-99	Acetone	ND	ug/L	10
ETI-R10-S-01-113099	30-Nov-99	Aluminum	35	ug/L	100
ETI-R10-S-01-113099	30-Nov-99	Aluminum	1960	ug/L	100
ETI-R10-S-01-113099	30-Nov-99	Aluminum	1940	ug/L	100
ETI-R11-S-01-113099	30-Nov-99	Aluminum	32.7	ug/L	100
ETI-R12-S-01-113099	30-Nov-99	Aluminum	36.5	ug/L	100
ETI-R13-S-01-113099	30-Nov-99	Aluminum	33.8	ug/L	100
ETI-R14-S-01-113099	30-Nov-99	Aluminum	26.7	ug/L	100
ETI-R1E-S-01-113099	30-Nov-99	Aluminum	36	ug/L	100
ETI-R10-S-01-113099	30-Nov-99	Benzene	ND	ug/L	2.5
ETI-R10-S-02-113099	30-Nov-99	Benzene	ND	ug/L	2.5
ETI-R10-S-03-113099	30-Nov-99	Benzene	ND	ug/L	2.5
ETI-R11-S-01-113099	30-Nov-99	Benzene	0.13	ug/L	1
ETI-R11-S-02-113099	30-Nov-99	Benzene	0.13	ug/L	1
ETI-R11-S-03-113099	30-Nov-99	Benzene	0.13	ug/L	1
ETI-R12-S-01-113099	30-Nov-99	Benzene	0.17	ug/L	1
ETI-R13-S-01-113099	30-Nov-99	Benzene	0.17	ug/L	1
ETI-R14-S-01-113099	30-Nov-99	Benzene	0.16	ug/L	1
ETI-R1E-S-01-113099	30-Nov-99	Benzene	0.18	ug/L	1
ETI-R2E-S-01-113099	30-Nov-99	Benzene	0.2	ug/L	1
ETI-R10-S-01-113099	30-Nov-99	Bicarbonate Alkalinity	410	mg/L	5



Appendix A-Mound Plume Data, November Sampling Event

Sample		ound Plume Data, Novembe	Sample :		Reporting
	Collection Date	Compound		Units	a Limit
ETI-R11-S-01-113099	30-Nov-99	Bicarbonate Alkalinity	283	mg/L	5
ETI-R12-S-01-113099	30-Nov-99	Bicarbonate Alkalinity	148	mg/L	5
ETI-R13-S-01-113099	30-Nov-99	Bicarbonate Alkalinity	133	mg/L	5
ETI-R14-S-01-113099	30-Nov-99	Bicarbonate Alkalinity	129	mg/L	5
ETI-R1E-S-01-113099	30-Nov-99	Bicarbonate Alkalinity	131	mg/L	5
ETI-R10-S-01-113099	30-Nov-99	Bromide	0.51	mg/L	0.2
ETI-R11-S-01-113099	30-Nov-99	Bromide	0.47	mg/L	0.2
ETI-R12-S-01-113099	30-Nov-99	Bromide	0.48	mg/L	0.2
ETI-R13-S-01-113099	30-Nov-99	Bromide	0.48	mg/L	0.2
ETI-R13-S-01-113099	30-Nov-99	Bromide	5.23	mg/L	0.2
ETI-R13-S-01-113099	30-Nov-99	Bromide	5.26	mg/L	0.2
ETI-R14-S-01-113099	30-Nov-99	Bromide	0.51	mg/L	0.2
ETI-R1E-S-01-113099	30-Nov-99	Bromide	0.47	mg/L	0.2
ETI-R10-S-01-113099	30-Nov-99	Bromodichloromethane	ND.	ug/L	2.5
ETI-R10-S-02-113099	30-Nov-99	Bromodichloromethane	ND	ug/L	2.5
ETI-R10-S-03-113099	30-Nov-99	Bromodichloromethane	ND	ug/L	2.5
ETI-R11-S-01-113099	30-Nov-99	Bromodichloromethane	ND	ug/L	1
ETI-R11-S-02-113099	30-Nov-99	Bromodichloromethane	ND	ug/L	1
ETI-R11-S-03-113099	30-Nov-99	Bromodichloromethane	ND	ug/L	1
ETI-R12-S-01-113099	30-Nov-99	Bromodichloromethane	ND	ug/L	1
ETI-R13-S-01-113099	30-Nov-99	Bromodichloromethane	ND	ug/L	1
ETI-R14-S-01-113099	30-Nov-99	Bromodichloromethane	ND	ug/L	1
ETI-R1E-S-01-113099	30-Nov-99	Bromodichloromethane	ND	ug/L	1
ETI-R2E-S-01-113099	30-Nov-99	Bromodichloromethane	ND	ug/L	1
ETI-R10-S-01-113099	30-Nov-99	Bromoform	ND	ug/L	2.5
ETI-R10-S-02-113099	30-Nov-99	Bromoform	ND	ug/L	2.5
ETI-R10-S-03-113099	30-Nov-99	Bromoform	ND	ug/L	2.5
ETI-R11-S-01-113099	30-Nov-99	Bromoform	ND	ug/L	1
ETI-R11-S-02-113099	30-Nov-99	Bromoform	ND	ug/L	1
ETI-R11-S-03-113099	30-Nov-99	Bromoform	ND	ug/L	1
ETI-R12-S-01-113099	30-Nov-99	Bromoform	ND	ug/L	1
ETI-R13-S-01-113099	30-Nov-99	Bromoform	ND	ug/L	1
ETI-R14-S-01-113099	30-Nov-99	Bromoform	ND	ug/L	1
ETI-R1E-S-01-113099	30-Nov-99	Bromoform	ND	ug/L	1
ETI-R2E-S-01-113099	30-Nov-99	Bromoform	ND	ug/L	1
ETI-R10-S-01-113099	30-Nov-99	Bromomethane	ND	ug/L	5
ETI-R10-S-02-113099	30-Nov-99	Bromomethane	ND	ug/L	5
ETI-R10-S-03-113099	30-Nov-99	Bromomethane	ND	ug/L	5
ETI-R11-S-01-113099	30-Nov-99	Bromomethane	ND	ug/L	2
ETI-R11-S-02-113099	30-Nov-99	Bromomethane	ND	ug/L	2
ETI-R11-S-03-113099	30-Nov-99	Bromomethane	ND	ug/L	2
ETI-R12-S-01-113099	30-Nov-99	Bromomethane	ND	ug/L	2
ETI-R13-S-01-113099	30-Nov-99	Bromomethane	ND	ug/L	2
ETI-R14-S-01-113099	30-Nov-99	Bromomethane	ND	ug/L	2
ETI-R1E-S-01-113099	30-Nov-99	Bromomethane	ND	ug/L	2
ETI-R2E-S-01-113099	30-Nov-99	Bromomethane	ND	ug/L	2
ETI-R10-S-01-113099	30-Nov-99	Calcium	119000	ug/L	200
ETI-R10-S-01-113099	30-Nov-99	Calcium	164000	ug/L	200
ETI-R10-S-01-113099	30-Nov-99	Calcium	163000	ug/L	200
ETI-R11-S-01-113099	30-Nov-99	Calcium	47900	ug/L	200
ETI-R12-S-01-113099	30-Nov-99	Calcium	5770	ug/L	200
ETI-R13-S-01-113099	30-Nov-99	Calcium	3600	ug/L	200
ETI-R14-S-01-113099	30-Nov-99	Calcium	2830	ug/L ug/L	200
ETI-R1E-S-01-113099	30-Nov-99	Calcium	3090	ug/L	200
ETI-R10-S-01-113099	30-Nov-99	Carbon disulfide	ND	ug/L	2.5
ETI-R10-S-02-113099	30-Nov-99	Carbon disulfide	ND	ug/L	2.5
ETI-R10-S-03-113099	30-Nov-99	Carbon disulfide	ND	ug/L ug/L	2.5
ETI-R10-S-03-113099	30-Nov-99	Carbon disulfide	ND	ug/L ug/L	2.3
L	30-1404-99	Carbott distilling	HYU	ug/L	1

	Appendix A-W	ound Plume Data, November			
Sample Number/Location	Collection Date	Compound	Sample Result	Units	Reporting : Limit
ETI-R11-S-02-113099	30-Nov-99	Carbon disulfide	ND	ug/L	1
ETI-R11-S-03-113099	30-Nov-99	Carbon disulfide	ND	ug/L	1
ETI-R12-S-01-113099	30-Nov-99	Carbon disulfide	ND	ug/L	1
ETI-R13-S-01-113099	30-Nov-99	Carbon disulfide	ND	ug/L	1
ETI-R14-S-01-113099	30-Nov-99	Carbon disulfide	ND	ug/L	1
ETI-R1E-S-01-113099	30-Nov-99	Carbon disulfide	ND	ug/L	1
ETI-R2E-S-01-113099	30-Nov-99	Carbon disulfide	ND	ug/L	1
ETI-R10-S-01-113099	30-Nov-99	Carbon tetrachloride	77	ug/L	5.2
ETI-R10-S-02-113099	30-Nov-99	Carbon tetrachloride	68	ug/L	5.2
ETI-R10-S-03-113099	30-Nov-99	Carbon tetrachloride	67	ug/L	5.2
ETI-R11-S-01-113099	30-Nov-99	Carbon tetrachloride	ND	ug/L	2.1
ETI-R11-S-02-113099	30-Nov-99	Carbon tetrachloride	ND	ug/L	2.1
ETI-R11-S-03-113099	30-Nov-99	Carbon tetrachloride	ND	ug/L	2.1
ETI-R12-S-01-113099	30-Nov-99	Carbon tetrachloride	ND	ug/L	2.1
ETI-R13-S-01-113099	30-Nov-99	Carbon tetrachloride	ND	ug/L	2.1
ETI-R14-S-01-113099	30-Nov-99	Carbon tetrachloride	ND	ug/L	2.1
ETI-R1E-S-01-113099	30-Nov-99	Carbon tetrachloride	ND	ug/L	2.1
ETI-R2E-S-01-113099	30-Nov-99	Carbon tetrachloride	ND	ug/L	2.1
ETI-R10-S-01-113099	30-Nov-99	Carbonate Alkalinity	ND	mg/L	5
ETI-R11-S-01-113099	30-Nov-99	Carbonate Alkalinity	ND	mg/L	5
ETI-R12-S-01-113099	30-Nov-99	Carbonate Alkalinity	38.8	mg/L	5
ETI-R13-S-01-113099	30-Nov-99	Carbonate Alkalinity	49.7	mg/L	
ETI-R14-S-01-113099	30-Nov-99	Carbonate Alkalinity	55.3	mg/L	5
ETI-R1E-S-01-113099	30-Nov-99	Carbonate Alkalinity	56.9	mg/L	5
ETI-R10-S-01-113099	30-Nov-99	Chloride	77	mg/L	15
ETI-R11-S-01-113099	30-Nov-99	Chloride	82.6		10
ETI-R12-S-01-113099		Chloride		mg/L	15
ETI-R13-S-01-113099	30-Nov-99	Chloride	84.7	mg/L	15
ETI-R13-S-01-113099	30-Nov-99	Chloride	205	mg/L	15
ETI-R13-S-01-113099	30-Nov-99		206	mg/L	15
ETI-R13-S-01-113099 ETI-R14-S-01-113099	30-Nov-99	Chloride	87.4	mg/L	15
ETI-R1E-S-01-113099	30-Nov-99 30-Nov-99	Chloride Chloride	89.1	mg/L	15
ETI-R10-S-01-113099	30-Nov-99		80.8	mg/L	2.5
ETI-R10-S-02-113099		Chlorobenzene Chlorobenzene	ND	ug/L	2.5
	30-Nov-99		ND	ug/L	
ETI-R10-S-03-113099	30-Nov-99	Chlorobenzene	ND	ug/L	2.5
ETI-R11-S-01-113099	30-Nov-99	Chlorobenzene	ND	ug/L	ļ <u>-</u>
ETI-R11-S-02-113099	30-Nov-99	Chlorobenzene	ND	ug/L	
ETI-R11-S-03-113099	30-Nov-99	Chlorobenzene	ND	ug/L	
ETI-R12-S-01-113099	30-Nov-99	Chlorobenzene	ND	ug/L	
ETI-R13-S-01-113099	30-Nov-99	Chlorobenzene	ND	ug/L	<u> </u>
ETI-R14-S-01-113099	30-Nov-99	Chlorobenzene	ND	ug/L	
ETI-R1E-S-01-113099	30-Nov-99	Chlorobenzene	ND	ug/L	1
ETI-R2E-S-01-113099	30-Nov-99	Chlorobenzene	ND	ug/L	
ETI-R10-S-01-113099	30-Nov-99	Chloroethane	ND	ug/L	5
ETI-R10-S-02-113099	30-Nov-99	Chloroethane	ND	ug/L	
ETI-R10-S-03-113099	30-Nov-99	Chloroethane	ND	ug/L	
ETI-R11-S-01-113099	30-Nov-99	Chloroethane	ND	ug/L	2
ETI-R11-S-02-113099	30-Nov-99	Chloroethane	ND	ug/L	4
ETI-R11-S-03-113099	30-Nov-99	Chloroethane	ND	ug/L	2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2
ETI-R12-S-01-113099	30-Nov-99	Chloroethane	ND .	ug/L	1
ETI-R13-S-01-113099	30-Nov-99	Chloroethane	ND	ug/L	1 2
ETI-R14-S-01-113099	30-Nov-99	Chloroethane	ND	ug/L	2
ETI-R1E-S-01-113099	30-Nov-99	Chloroethane	ND	ug/L	2
ETI-R2E-S-01-113099	30-Nov-99	Chloroethane	ND	ug/L	2
ETI-R10-S-01-113099	30-Nov-99	Chloroform	16	ug/L	
ETI-R10-S-02-113099	30-Nov-99	Chloroform	15	ug/L	1.2
ETI-R10-S-03-113099	30-Nov-99	Chloroform	15	ug/L	1,2
ETI-R11-S-01-113099	30-Nov-99	Chloroform	0.29	ug/L	0.5

Sample	Appoint A T-IV	lound Plume Data, Novembe	Sample		l ⊞ Dooya-tio
	Collection Date	Compound	Result	Units	Reporting Limit
ETI-R11-S-02-113099	30-Nov-99	Chloroform	0.26	ug/L	0.5
ETI-R11-S-03-113099	30-Nov-99	Chloroform	0.3	ug/L	0.5
ETI-R12-S-01-113099	30-Nov-99	Chloroform	ND	ug/L	0.5
ETI-R13-S-01-113099	30-Nov-99	Chloroform	ND	ug/L	0.5
ETI-R14-S-01-113099	30-Nov-99	Chloroform	0.15	ug/L	0.5
ETI-R1E-S-01-113099	30-Nov-99	Chloroform	0.14	ug/L	0.5
ETI-R2E-S-01-113099	30-Nov-99	Chloroform	ND	ug/L	0.5
ETI-R10-S-01-113099	30-Nov-99	Chloromethane	ND	ug/L	5
ETI-R10-S-02-113099	30-Nov-99	Chloromethane	ND	ug/L	5
ETI-R10-S-03-113099	30-Nov-99	Chloromethane	ND	ug/L	5
ETI-R11-S-01-113099	30-Nov-99	Chloromethane	ND	ug/L	2
ETI-R11-S-02-113099	30-Nov-99	Chloromethane	ND	ug/L	2 2
ETI-R11-S-03-113099	30-Nov-99	Chloromethane	ND	ug/L	2
ETI-R12-S-01-113099	30-Nov-99	Chloromethane	ND	ug/L	2
ETI-R13-S-01-113099	30-Nov-99	Chloromethane	ND	ug/L	2
ETI-R14-S-01-113099	30-Nov-99	Chloromethane	ND	ug/L	2 2 2 2
ETI-R1E-S-01-113099	30-Nov-99	Chloromethane	ND	ug/L	2
ETI-R2E-S-01-113099	30-Nov-99	Chloromethane	ND	ug/L	2
ETI-R10-S-01-113099	30-Nov-99	cis-1,2-Dichloroethene	35	ug/L	3
ETI-R10-S-02-113099	30-Nov-99	cis-1,2-Dichloroethene	32	ug/L	3
ETI-R10-S-03-113099	30-Nov-99	cis-1,2-Dichloroethene	33	ug/L	3
ETI-R11-S-01-113099	30-Nov-99	cis-1,2-Dichloroethene	25	ug/L	1.2
ETI-R11-S-02-113099	30-Nov-99	cis-1,2-Dichloroethene	26	ug/L	1.2
ETI-R11-S-03-113099	30-Nov-99	cis-1,2-Dichloroethene	26	ug/L	1.2
ETI-R12-S-01-113099	30-Nov-99	cis-1,2-Dichloroethene	16	ug/L	1.2
ETI-R13-S-01-113099	30-Nov-99	cis-1,2-Dichloroethene	13	ug/L	1.2
ETI-R14-S-01-113099	30-Nov-99	cis-1,2-Dichloroethene	12	ug/L	1.2
ETI-R1E-S-01-113099	30-Nov-99	cis-1,2-Dichloroethene	10	ug/L	1.2
ETI-R2E-S-01-113099	30-Nov-99	cis-1,2-Dichloroethene	1.8	ug/L	1.2
ETI-R10-S-01-113099	30-Nov-99	cis-1,3-Dichloropropene	ND	ug/L	2.5
ETI-R10-S-02-113099	30-Nov-99	cis-1,3-Dichloropropene	ND	ug/L	2.5
ETI-R10-S-03-113099	30-Nov-99	cis-1,3-Dichloropropene	ND	ug/L	2.5
ETI-R11-S-01-113099	30-Nov-99	cis-1,3-Dichloropropene	ND	ug/L	1
ETI-R11-S-02-113099	30-Nov-99	cis-1,3-Dichloropropene	ND	ug/L	1
ETI-R11-S-03-113099	30-Nov-99	cis-1,3-Dichloropropene	ND	ug/L	1
ETI-R12-S-01-113099	30-Nov-99	cis-1,3-Dichloropropene	ND	ug/L	1
ETI-R13-S-01-113099	30-Nov-99	cis-1,3-Dichloropropene	ND	ug/L	1
ETI-R14-S-01-113099	30-Nov-99	cis-1,3-Dichloropropene	ND	ug/L	1
ETI-R1E-S-01-113099	30-Nov-99	cis-1,3-Dichloropropene	ND	ug/L	1
ETI-R2E-S-01-113099	30-Nov-99	cis-1,3-Dichloropropene	ND	ug/L	1
ETI-R10-S-01-113099	30-Nov-99	Dibromochloromethane	ND	ug/L	2.5
ETI-R10-S-02-113099	30-Nov-99	Dibromochloromethane	ND	ug/L	2.5
ETI-R10-S-03-113099	30-Nov-99	Dibromochloromethane	ND	ug/L	2.5
ETI-R11-S-01-113099	30-Nov-99	Dibromochloromethane	ND	ug/L	1
ETI-R11-S-02-113099	30-Nov-99	Dibromochloromethane	ND	ug/L	1
ETI-R11-S-03-113099	30-Nov-99	Dibromochloromethane	ND	ug/L	1
ETI-R12-S-01-113099	30-Nov-99	Dibromochloromethane	ND	ug/L	1
ETI-R13-S-01-113099	30-Nov-99	Dibromochloromethane	ND	ug/L	1
ETI-R14-S-01-113099	30-Nov-99	Dibromochloromethane	ND	ug/L	1
ETI-R1E-S-01-113099	30 - Nov-99	Dibromochloromethane	ND	ug/L	1
ETI-R2E-S-01-113099	30-Nov-99	Dibromochloromethane	ND	ug/L	1
ETI-R10-S-01-113099	30-Nov-99	Dibromofluoromethane	98	%	100
ETI-R10-S-02-113099	30-Nov-99	Dibromofluoromethane	102	%	100
ETI-R10-S-03-113099	30-Nov-99	Dibromofluoromethane	103	%	100
ETI-R11-S-01-113099	30-Nov-99	Dibromofluoromethane	105	%	100
ETI-R11-S-02-113099	30-Nov-99	Dibromofluoromethane	106	%	100
ETI-R11-S-03-113099	30-Nov-99	Dibromofluoromethane	106	%	100
ETI-R12-S-01-113099	30-Nov-99	Dibromofluoromethane	107	%	100

	Appendix A-IVI	ound Plume Data, November		11	
Sample Number/Location		Compound	Sample Resuli	Units	Reporting Limit
ETI-R13-S-01-113099	30-Nov-99	Dibromofluoromethane	107	%	100
ETI-R14-S-01-113099	30-Nov-99	Dibromofluoromethane	106	%	100
ETI-R1E-S-01-113099	30-Nov-99	Dibromofluoromethane	106	%	100
ETI-R2E-S-01-113099	30-Nov-99	Dibromofluoromethane	106	%	100
ETI-R10-S-01-113099	30-Nov-99	Ethylbenzene	ND	ug/L	2.5
ETI-R10-S-02-113099	30-Nov-99	Ethylbenzene	ND	ug/L	2.5
ETI-R10-S-03-113099	30-Nov-99	Ethylbenzene	ND	ug/L	2.5
ETI-R11-S-01-113099	30-Nov-99	Ethylbenzene	ND	ug/L	1
ETI-R11-S-02-113099	30-Nov-99	Ethylbenzene	ND	ug/L	1
ETI-R11-S-03-113099	30-Nov-99	Ethylbenzene	ND	ug/L	1
ETI-R12-S-01-113099	30-Nov-99	Ethylbenzene	ND	ug/L	1
ETI-R13-S-01-113099	30-Nov-99	Ethylbenzene	ND	ug/L	1
ETI-R14-S-01-113099	30-Nov-99	Ethylbenzene	ND	ug/L	1
ETI-R1E-S-01-113099	30-Nov-99	Ethylbenzene	ND	ug/L	1
ETI-R2E-S-01-113099	30-Nov-99 .	Ethylbenzene	ND	ug/L	1
ETI-R10-S-01-113099	30-Nov-99	Fluoride	1.2	mg/L	1
ETI-R11-S-01-113099	30-Nov-99	Fluoride	0.82	mg/L	1
ETI-R12-S-01-113099	30-Nov-99	Fluoride	0.66	mg/L	1
ETI-R13-S-01-113099	30-Nov-99	Fluoride	5.15	mg/L	1
ETI-R13-S-01-113099	30-Nov-99	Fluoride	5.16	mg/L	1
ETI-R13-S-01-113099	30-Nov-99	Fluoride	0.58	mg/L	1
ETI-R14-S-01-113099	30-Nov-99	Fluoride	0.59	mg/L	1
ETI-R1E-S-01-113099	30-Nov-99	Fluoride	0.57	mg/L	1
ETI-R10-S-01-113099	30-Nov-99	Iron	261	ug/L	100
ETI-R10-S-01-113099	30-Nov-99	Iron	1130	ug/L	100
ETI-R10-S-01-113099	30-Nov-99	Iron	1110	ug/L	100
ETI-R11-S-01-113099	30-Nov-99	Iron	10700	ug/L	100
ETI-R12-S-01-113099	30-Nov-99	Iron	746	ug/L	100
ETI-R13-S-01-113099	30-Nov-99		476	ug/L	100
ETI-R14-S-01-113099	30-Nov-99	Iron	440	ug/L ug/L	100
ETI-R1E-S-01-113099	30-Nov-99	Iron	258	ug/L	100
ETI-R10-S-01-113099	30-Nov-99	Iron Magnagium	36500	ug/L ug/L	200
ETI-R10-S-01-113099	30-Nov-99	Magnesium	87300		200
ETI-R10-S-01-113099	30-Nov-99	Magnesium	86800	ug/L	200
ETI-R10-S-01-113099		Magnesium	33400	ug/L	200
<u></u>	30-Nov-99	Magnesium		ug/L	
ETI-R12-S-01-113099	30-Nov-99	Magnesium	31300	ug/L	200
ETI-R13-S-01-113099	30-Nov-99	Magnesium	33300	ug/L	200
ETI-R14-S-01-113099	30-Nov-99	Magnesium	35600	ug/L	200
ETI-R1E-S-01-113099	30-Nov-99	Magnesium	36200	ug/L	200
ETI-R10-S-01-113099	30-Nov-99	Manganese	591	ug/L	10
ETI-R10-S-01-113099	30-Nov-99	Manganese	583	ug/L	10
ETI-R10-S-01-113099	30-Nov-99	Manganese	87	ug/L	10
ETI-R11-S-01-113099	30-Nov-99	Manganese	105	ug/L	10
ETI-R12-S-01-113099	30-Nov-99	Manganese	52.8	ug/L	10
ETI-R13-S-01-113099	30-Nov-99	Manganese	104	ug/L	10
ETI-R14-S-01-113099	30-Nov-99	Manganese	101	ug/L	10
ETI-R1E-S-01-113099	30-Nov-99	Manganese	106	ug/L	10
ETI-R10-S-01-113099	30-Nov-99	Methylene chloride	ND	ug/L	12
ETI-R10-S-02-113099	30-Nov-99	Methylene chloride	ND	ug/L	12
ETI-R10-S-03-113099	30-Nov-99	Methylene chloride	ND	ug/L	12
ETI-R11-S-01-113099	30-Nov-99	Methylene chloride	ND	ug/L	5
ETI-R11-S-02-113099	30-Nov-99	Methylene chloride	ND	ug/L	5
ETI-R11-S-03-113099	30-Nov-99	Methylene chloride	ND	ug/L	5
ETI-R12-S-01-113099	30-Nov-99	Methylene chloride	ND	ug/L	5
ETI-R13-S-01-113099	30-Nov-99	Methylene chloride	ND	ug/L	5
ETI-R14-S-01-113099	30-Nov-99	Methylene chloride	ND	ug/L	5
ETI-R1E-S-01-113099	30-Nov-99	Methylene chloride	ND	ug/L	5
ETI-R2E-S-01-113099	30-Nov-99	Methylene chloride	ND	ug/L	5

Appendix A-Mound Plume Data, November Sampling Event

Sample	3-7-16 (42)	located rathe Bata, November	Sample		Reporting
Number/Location #	Collection Date	Compound	Result	Units	Limit
ETI-R10-S-01-113099	30-Nov-99	Nitrate-Nitrite	2.2	mg/L	0.1
ETI-R11-S-01-113099	30-Nov-99	Nitrate-Nitrite	0.032	mg/L	0.1
ETI-R12-S-01-113099	30-Nov-99	Nitrate-Nitrite	ND	mg/L	0.1
ETI-R13-S-01-113099	30-Nov-99	Nitrate-Nitrite	0.024	mg/L	0.1
ETI-R14-S-01-113099	30-Nov-99	Nitrate-Nitrite	0.097	mg/L	0.1
ETI-R1E-S-01-113099	30-Nov-99	Nitrate-Nitrite	ND	mg/L	0.1
ETI-R10-S-01-113099	30-Nov-99	Phosphate as P, Ortho	ND	mg/L	0.5
ETI-R11-S-01-113099	30-Nov-99	Phosphate as P, Ortho	ND	mg/L	0.5
ETI-R12-S-01-113099	30-Nov-99	Phosphate as P, Ortho	ND	mg/L	0.5
ETI-R13-S-01-113099	30-Nov-99	Phosphate as P, Ortho	4.78	mg/L	0.5
ETI-R13-S-01-113099	30-Nov-99	Phosphate as P, Ortho	ND	mg/L	0.5
ETI-R13-S-01-113099	30-Nov-99	Phosphate as P, Ortho	4.64	mg/L	0.5
ETI-R14-S-01-113099	30-Nov-99	Phosphate as P, Ortho	ND	mg/L	0.5
ETI-R1E-S-01-113099	30-Nov-99	Phosphate as P, Ortho	ND	mg/L	0.5
ETI-R10-S-01-113099	30-Nov-99	Potassium	1170	ug/L	5000
ETI-R10-S-01-113099	30-Nov-99	Potassium	48100	ug/L	5000
ETI-R10-S-01-113099	30-Nov-99	Potassium	47700	ug/L	5000
ETI-R11-S-01-113099	30-Nov-99	Potassium	1330	ug/L	5000
ETI-R12-S-01-113099	30-Nov-99	Potassium	1260	ug/L	5000
ETI-R13-S-01-113099	30-Nov-99	Potassium	1390	ug/L	5000
ETI-R14-S-01-113099	30-Nov-99	Potassium	1440	ug/L	5000
ETI-R1E-S-01-113099	30-Nov-99	Potassium	1350	ug/L	5000
ETI-R10-S-01-113099	30-Nov-99	Silica	16300	ug/L	500
ETI-R10-S-01-113099	30-Nov-99	Silica	40200	ug/L	500
ETI-R10-S-01-113099	30-Nov-99	Silica	39600	ug/L	500
ETI-R11-S-01-113099	30-Nov-99	Silica	10800	ug/L	500
ETI-R12-S-01-113099	30-Nov-99	Silica	1930	ug/L	500
ETI-R13-S-01-113099 ETI-R14-S-01-113099	30-Nov-99	Silica	681	ug/L	500
ETI-R14-S-01-113099 ETI-R1E-S-01-113099	30-Nov-99	Silica	493	ug/L	500
ETI-R10-S-01-113099	30-Nov-99 30-Nov-99	Silica	845	ug/L	500 5000
ETI-R10-S-01-113099		Sodium	76000	ug/L	
ETI-R10-S-01-113099	30-Nov-99 30-Nov-99	Sodium Sodium	124000	ug/L	5000
ETI-R11-S-01-113099	30-Nov-99	Sodium	125000	ug/L	5000 5000
ETI-R12-S-01-113099	30-Nov-99	Sodium	79100 78600	ug/L	5000
ETI-R13-S-01-113099	30-Nov-99		81400	ug/L	5000
ETI-R14-S-01-113099	30-Nov-99	Sodium Sodium	78500	ug/L	5000
ETI-R1E-S-01-113099	30-Nov-99	Sodium	73700	ug/L	5000
ETI-R10-S-01-113099	30-Nov-99	Styrene	ND	ug/L	2.5
ETI-R10-S-02-113099	30-Nov-99	Styrene	ND	ug/L ug/L	2.5
ETI-R10-S-03-113099	30-Nov-99	Styrene	ND	ug/L ug/L	2.5
ETI-R11-S-01-113099	30-Nov-99	Styrene	ND	ug/L	2.5
ETI-R11-S-02-113099	30-Nov-99	Styrene	ND	ug/L	1
ETI-R11-S-03-113099	30-Nov-99	Styrene	ND	ug/L	
ETI-R12-S-01-113099	30-Nov-99	Styrene	ND	ug/L	1
ETI-R13-S-01-113099	30-Nov-99	Styrene	ND	ug/L ug/L	
ETI-R14-S-01-113099	30-Nov-99	Styrene	ND	ug/L	
ETI-R1E-S-01-113099	30-Nov-99	Styrene	ND	ug/L	1
ETI-R2E-S-01-113099	30-Nov-99	Styrene	ND	ug/L ug/L	1
ETI-R10-S-01-113099	30-Nov-99	Sulfate	64.7	mg/L	25
ETI-R11-S-01-113099	30-Nov-99	Sulfate	16.8	mg/L	. 5
ETI-R12-S-01-113099	30-Nov-99	Sulfate	ND	mg/L	5
ETI-R13-S-01-113099	30-Nov-99	Sulfate	ND	mg/L	5
ETI-R13-S-01-113099	30-Nov-99	Sulfate	23.4	mg/L	5
ETI-R13-S-01-113099	30-Nov-99	Sulfate	23.1	mg/L	5
ETI-R14-S-01-113099	30-Nov-99	Sulfate	ND	mg/L	5
ETI-R1E-S-01-113099	30-Nov-99	Sulfate	ND	mg/L	5
ETI-R10-S-01-113099	30-Nov-99	Tetrachloroethene	91	ug/L	3.5
E 17 10 10 -0 -0 1- 1 10099	30-1107-33	1 cu aci noi deniene	131	Jugir	1 3.3

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Sample		ound Flume Data, November	Sample		Reporting
Number/Location	Collegion Date	Service Compound	Result	aliriU	Fluit
ETI-R10-S-02-113099	30-Nov-99	Tetrachloroethene	78	ug/L	3.5
ETI-R10-S-03-113099	30-Nov-99	Tetrachloroethene	73	ug/L	3.5
ETI-R11-S-01-113099	30-Nov-99	Tetrachloroethene	35	ug/L	1.4
ETI-R11-S-02-113099	30-Nov-99	Tetrachloroethene	37	ug/L	1.4
ETI-R11-S-03-113099	30-Nov-99	Tetrachloroethene	36	ug/L	1.4
ETI-R12-S-01-113099	30-Nov-99	Tetrachloroethene	7.7	ug/L	1.4
ETI-R13-S-01-113099	30-Nov-99	Tetrachloroethene	4.7	ug/L	1.4
ETI-R14-S-01-113099	30-Nov-99	Tetrachloroethene	2.5	ug/L	1.4
ETI-R1E-S-01-113099	30-Nov-99	Tetrachloroethene	1.9	ug/L	1.4
ETI-R2E-S-01-113099	30-Nov-99	Tetrachloroethene	ND	ug/L	1.4
ETI-R10-S-01-113099	30-Nov-99	Toluene	ND	ug/L	2.5
ETI-R10-S-02-113099	30-Nov-99	Toluene	ND	ug/L	2.5
ETI-R10-S-03-113099	30-Nov-99	Toluene	ND	ug/L	2.5
ETI-R11-S-01-113099	30-Nov-99	Toluene	0.1	ug/L	1
ETI-R11-S-02-113099	30-Nov-99	Toluene	0.1	ug/L	1
ETI-R11-S-03-113099	30-Nov-99	Toluene	0.11	ug/L	1
ETI-R12-S-01-113099	30-Nov-99	Toluene	0.15	ug/L	1
ETI-R13-S-01-113099	30-Nov-99	Toluene	0.2	ug/L	1
ETI-R14-S-01-113099	30-Nov-99	Toluene	0.17	ug/L	1
ETI-R1E-S-01-113099	30-Nov-99	Toluene	0.13	ug/L	1
ETI-R2E-S-01-113099	30-Nov-99	Toluene	0.16	ug/L	1
ETI-R10-S-01-113099	30-Nov-99	Toluene-d8	102	%	100
ETI-R10-S-02-113099	30-Nov-99	Toluene-d8	99	%	100
ETI-R10-S-03-113099	30-Nov-99	Toluene-d8	97	%	100
ETI-R11-S-01-113099	30-Nov-99	Toluene-d8	96	%	100
ETI-R11-S-02-113099	30-Nov-99	Toluene-d8	96	%	100
ETI-R11-S-03-113099	30-Nov-99	Toluene-d8	96	%	100
ETI-R12-S-01-113099	30-Nov-99	Toluene-d8	97	%	100
ETI-R13-S-01-113099	30-Nov-99	Toluene-d8	97	%	100
ETI-R14-S-01-113099	30-Nov-99	Toluene-d8	97	%	100
ETI-R1E-S-01-113099	30-Nov-99	Toluene-d8	99	%	100
ETI-R2E-S-01-113099	30-Nov-99	Toluene-d8	97	%	100
ETI-R10-S-01-113099	30-Nov-99	Total Alkalinity	410	mg/L	5
ETI-R11-S-01-113099	30-Nov-99	Total Alkalinity	283	mg/L	5
ETI-R12-S-01-113099	30-Nov-99	Total Alkalinity	187	mg/L	5
ETI-R13-S-01-113099	30-Nov-99	Total Alkalinity	182	mg/L	5
ETI-R14-S-01-113099	30-Nov-99	Total Alkalinity	185	mg/L	5
ETI-R1E-S-01-113099	30-Nov-99	Total Alkalinity	188	mg/L	5
ETI-R10-S-01-113099	30-Nov-99	TOTAL-URANIUM	12.2	UG/L	
ETI-R10-S-01-113099	30-Nov-99	TOTAL-URANIUM	12.3	UG/L	
ETI-R10-S-02-113099		TOTAL-URANIUM	213	%REC	
ETI-R10-S-02-113099	30-Nov-99	TOTAL-URANIUM	12.5	UG/L	
ETI-R10-S-03-113099	30-Nov-99	TOTAL-URANIUM	12.7	UG/L	
ETI-R11-S-01-113099	30-Nov-99	TOTAL-URANIUM	0.01	UG/L	
ETI-R11-S-02-113099	30-Nov-99	TOTAL-URANIUM	0.0105	UG/L	
ETI-R11-S-03-113099	30-Nov-99	TOTAL-URANIUM	0.00604	UG/L	
ETI-R12-S-01-113099	30-Nov-99	TOTAL-URANIUM	0.00257	UG/L	
ETI-R13-S-01-113099	30-Nov-99	TOTAL-URANIUM	0.00721	UG/L	
ETI-R14-S-01-113099	30-Nov-99	TOTAL-URANIUM	0.00976	UG/L	
ETI-R1E-S-01-113099	30-Nov-99	TOTAL-URANIUM	0.0424	UG/L	
ETI-R10-S-01-113099	30-Nov-99	trans-1,2-Dichloroethene	ND	ug/L	1.2
ETI-R10-S-02-113099	30-Nov-99	trans-1,2-Dichloroethene	ND	ug/L	1.2
ETI-R10-S-03-113099	30-Nov-99	trans-1,2-Dichloroethene	ND	ug/L	1.2
ETI-R11-S-01-113099	30-Nov-99	trans-1,2-Dichloroethene	ND	ug/L	0.5
ETI-R11-S-02-113099	30-Nov-99	trans-1,2-Dichloroethene	ND	ug/L	0.5
ETI-R11-S-03-113099	30-Nov-99	trans-1,2-Dichloroethene	ND	ug/L	0.5
ETI-R12-S-01-113099	30-Nov-99	trans-1,2-Dichloroethene	ND	ug/L	0.5
ETI-R13-S-01-113099	30-Nov-99	trans-1,2-Dichloroethene	ND	ug/L	0.5

Quarterly Report for the Rocky Flats Groundwater Plume Treatment Systems, January through March 2000 March 30, 2000 Appendix B

Appendix B – East Trenches Plume Analytical Data

Appendix B- East Trenches Plume, November and December 1999 Sampling Event

Location	Sample	QC	Analyte	Result	Unit	Lab Qualifier	Validation Qualilfier	Detection Limit	Dilution Factor
ET EFFLUENT	Date 11/16/99	Type REAL	1,1,1,2-TETRACHLOROETHANE	1	UG/L			1	1
ET EFFLUENT			1,1,1,2-TETRACHLOROETHANE		UG/L			2	2
ET INFLUENT :	11/16/99	REAL	1,1,1,2-TETRACHLOROETHANE	200	UG/L_			200	200
ET EFFLUENT			1,1,1-TRICHLOROETHANE	1	UG/L			1	1
ET EFFLUENT			1,1,1-TRICHLOROETHANE	2	UG/L			2	2 200
ET INFLUENT			1,1,1-TRICHLOROETHANE 1,1,2,2-TETRACHLOROETHANE	200	UG/L UG/L			200	1
ET EFFLUENT			1,1,2,2-TETRACHLOROETHANE	2	UG/L			2	2
ET INFLUENT			1,1,2,2-TETRACHLOROETHANE	200	UG/L			200	200
ET EFFLUENT			1,1,2-TRICHLOROETHANE	1	UG/L		V	1	1
ET EFFLUENT			1,1,2-TRICHLOROETHANE	2	UG/L	U		2	.2
ET INFLUENT			1,1,2-TRICHLOROETHANE	200	UG/L	U		200	200
ET EFFLUENT			1,1-DICHLOROETHANE	1	UG/L		V	1	:1
ET EFFLUENT			1,1-DICHLOROETHANE		UG/L		V	200	200
ET EFFLUENT			1,1-DICHLOROETHANE 1,1-DICHLOROETHENE	200	UG/L UG/L		<u> </u>	2	2
ET EFFLUENT			1.1-DICHLOROETHENE	<u>-</u>	UG/L	<u> </u>	V	1	1
ET INFLUENT			1,1-DICHLOROETHENE	200	UG/L	IJ	V	200	200
ET EFFLUENT			1,1-DICHLOROPROPENE	1	UG/L		V	1	1
ET EFFLUENT			1,1-DICHLOROPROPENE	2	UG/L			2	2
ET INFLUENT	11/16/99	REAL	1,1-DICHLOROPROPENE	200	UG/L		V	200	200
ET EFFLUENT			1,2,3-TRICHLOROBENZENE		UG/L			2	
ET EFFLUENT			1,2,3-TRICHLOROBENZENE	1	UG/L			1	1
ET INFLUENT			1,2,3-TRICHLOROBENZENE	200	UG/L		V	200	200
ET EFFLUENT			1,2,3-TRICHLOROPROPANE	1	UG/L		V	2	2
ET EFFLUENT ET INFLUENT			1,2,3-TRICHLOROPROPANE 1,2,3-TRICHLOROPROPANE	200	UG/L UG/L		V	200	200
ET EFFLUENT			1,2,4-TRICHLOROBENZENE	1	UG/L		UJ	1	:1
ET EFFLUENT			1,2,4-TRICHLOROBENZENE	2	UG/L			2	2
ET INFLUENT			1,2,4-TRICHLOROBENZENE	200	UG/L		UJ	200	200
ET EFFLUENT			1,2-DIBROMOETHANE	1	UG/L		V	1	1
ET EFFLUENT			1,2-DIBROMOETHANE	2	UG/L			2	2
ET INFLUENT			1,2-DIBROMOETHANE	200	UG/L		V	200	200
ET EFFLUENT			1,2-DICHLOROBENZENE	1	UG/L		ÜJ	2	2
ET EFFLUENT ET INFLUENT			1,2-DICHLOROBENZENE	200	UG/L UG/L		UJ	200	200
ET EFFLUENT			1,2-DICHLOROBENZENE 1,2-DICHLOROETHANE	1	UG/L			1	1
ET EFFLUENT			1,2-DICHLOROETHANE	2	UG/L			2	2
ET INFLUENT			1,2-DICHLOROETHANE	200	UG/L		V	200	200
ET EFFLUENT			1,2-DICHLOROPROPANE	1	UG/L	U		1	1
ET EFFLUENT	11/16/99	REAL	1,2-DICHLOROPROPANE	2	UG/L	U		2	2
ET INFLUENT			1,2-DICHLOROPROPANE	200	UG/L		V	200	200
ET EFFLUENT			1,3-DICHLOROBENZENE	2	UG/L			2	11
ET EFFLUENT			1,3-DICHLOROBENZENE	1	UG/L UG/L		UJ	200	200
ET INFLUENT ET EFFLUENT			1,3-DICHLOROBENZENE 1,3-DICHLOROPROPANE	200	UG/L			1	1
ET EFFLUENT			1.3-DICHLOROPROPANE	2	UG/L		 	2	2
ET INFLUENT			1,3-DICHLOROPROPANE	200	UG/L		V	200	200
ET EFFLUENT			1,4-DICHLOROBENZENE	1	UG/L	Ū	UJ	1	1
ET EFFLUENT			1,4-DICHLOROBENZENE	2	UG/L			2	2
ET INFLUENT			1,4-DICHLOROBENZENE	200	UG/L		UJ	200	200
ET EFFLUENT			2,2-DICHLOROPROPANE	1	UG/L		V	2	2
ET EFFLUENT			2,2-DICHLOROPROPANE	200	UG/L UG/L		V	200	200
ET INFLUENT ET EFFLUENT			2,2-DICHLOROPROPANE 4-ISOPROPYLTOLUENE	200	UG/L		UJ	1	1
ET EFFLUENT			4-ISOPROPYLTOLUENE	2	UG/L			2	2
ET INFLUENT			4-ISOPROPYLTOLUENE	200	UG/L		UJ	200	200
ET EFFLUENT		4	BENZENE	0.8	UG/L		J	1	1
ET EFFLUENT			BENZENE	0.8	UG/L	JD		2	2
ET INFLUENT			BENZENE	200	UG/L		UJ	200	200
ET EFFLUENT			BENZENE, 1,2,4-TRIMETHYL	1	UG/L		UJ	1	1
ET EFFLUENT			BENZENE, 1,2,4-TRIMETHYL	2	UG/L			200	200
ET INFLUENT			BENZENE, 1,2,4-TRIMETHYL	200	UG/L UG/L		n1 n1	200	:200 1
ET EFFLUENT			BENZENE, 1,3,5-TRIMETHYL- BENZENE, 1,3,5-TRIMETHYL-	2	UG/L		,00	2	2
LI LI LUCINI	11/10/99	INCAL	JOHNACHE, 1,0,0-1711VIETTTE-		.00/L	: <u>Y</u>			



Appendix B- East Trenches Plume, November and December 1999 Sampling Event

Location	Sample QC Date Type	- East Trenches Plume, Novembe	Result	Unit	Lab Qualifier	Validation	Detection Limit	Dilution Factor
ET INFLUENT		BENZENE, 1,3,5-TRIMETHYL-	200	UG/L		UJ	200	200
ET-EFFLUENT		BROMOBENZENE		UG/L	'U	UJ	1	1
ET EFFLUENT		BROMOBENZENE	2	UG/L			2	2
		BROMOBENZENE	200	UG/L		UJ	200	200
		BROMOCHLOROMETHANE	1	UG/L		V	1	1
		BROMOCHLOROMETHANE	2	UG/L		<u> </u>	2	2
		BROMOCHLOROMETHANE	200	UG/L		V	200	200
		BROMODICHLOROMETHANE		UG/L		V	2	2
		BROMODICHLOROMETHANE	200	UG/L UG/L		V	200	200
ET INFLUENT ET EFFLUENT		BROMODICHLOROMETHANE	1	UG/L			1	1
	11/16/99 REAL		.2	UG/L			2	2
	11/16/99 REAL		200	UG/L		V	200	200
		BROMOMETHANE	1	UG/L			1	1
ET EFFLUENT		BROMOMETHANE	2	UG/L		:	2	2
		BROMOMETHANE	200	UG/L		V	200	200
		CARBON TETRACHLORIDE	1	UG/L		V	1	1
	11/16/99 REAL	CARBON TETRACHLORIDE	2	UG/L	U		2	2
		CARBON TETRACHLORIDE	150	UG/L	J	V	200	200
		CHLOROBENZENE	1	UG/L		UJ	1	1
ET EFFLUENT	11/16/99 REAL	CHLOROBENZENE	2	UG/L			2	2
ET INFLUENT)	200	UG/L		UJ	200	200
		CHLOROETHANE	1	UG/L		V	1	1
		CHLOROETHANE	2	UG/L		 	2	2
ET INFLUENT		CHLOROETHANE	200	UG/L	U	V	200	200
ET EFFLUENT	11/16/99 REAL		13	UG/L		V	2	1 2
	11/16/99 REAL		13	UG/L		V	:200	200
ET INFLUENT	11/16/99 REAL		110	UG/L		V	1	1
ET EFFLUENT		CHLOROMETHANE	2	UG/L UG/L			2	2
		CHLOROMETHANE	200	UG/L		V	200	200
ET INFLUENT ET EFFLUENT	11/16/99 REAL	CHLOROMETHANE cis-1,2-DICHLOROETHENE	33	UG/L			1	11
ET EFFLUENT		cis-1,2-DICHLOROETHENE	34	UG/L		V	2	2
ET INFLUENT		cis-1,2-DICHLOROETHENE	31	UG/L		V	200	200
ET EFFLUENT		cis-1,3-DICHLOROPROPENE	1	UG/L		V	1	11
ET EFFLUENT		cis-1,3-DICHLOROPROPENE	2	UG/L			2	2
ETINFLUENT		cis-1,3-DICHLOROPROPENE	200	UG/L	U	V	200	200
ET EFFLUENT	11/16/99 REAL	DIBROMOCHLOROMETHANE	1	UG/L	U	V	1	1
ET EFFLUENT		DIBROMOCHLOROMETHANE	2	UG/L			2	2
ET INFLUENT	11/16/99 REAL	DIBROMOCHLOROMETHANE	200	UG/L		V	200	200
ET EFFLUENT		DIBROMOMETHANE	1	UG/L		V	1	1
ET EFFLUENT		DIBROMOMETHANE	2	UG/L			2	2
ET INFLUENT		DIBROMOMETHANE	200	UG/L		V	200	200
ET EFFLUENT		DICHLORODIFLUOROMETHANE	1	UG/L		V	2	2
ET EFFLUENT		DICHLORODIFLUOROMETHANE	2	UG/L		V	200	200
ET INFLUENT		DICHLORODIFLUOROMETHANE	200	UG/L		UJ	1	1
ET EFFLUENT		ETHYLBENZENE	1	UG/L		103	2	2
ET EFFLUENT	to the second se	ETHYLBENZENE	200	UG/L		UJ	200	200
ET INFLUENT ET EFFLUENT		ETHYLBENZENE HEXACHLOROBUTADIENE	200	UG/L		,00	2	2
ET EFFLUENT		HEXACHLOROBUTADIENE	1	UG/L		V	1	1
ET INFLUENT		HEXACHLOROBUTADIENE	200	UG/L		V	200	200
ET EFFLUENT		ISOPROPYLBENZENE	1	UG/L		UJ	1	1
ET EFFLUENT		ISOPROPYLBENZENE	2	UG/L			2	2
ET INFLUENT		ISOPROPYLBENZENE	200	UG/L		UJ	200	200
ET EFFLUENT		METHYLENE CHLORIDE	12	UG/L		V	1	1
ET EFFLUENT		METHYLENE CHLORIDE	10	UG/L			2	2
ET INFLUENT		METHYLENE CHLORIDE	95	UG/L		JB	200	200
ET EFFLUENT		NAPHTHALENE	2	UG/L			2	2
ET EFFLUENT		NAPHTHALENE	11	UG/L		UJ	1	1
ET INFLUENT		NAPHTHALENE	200	UG/L		UJ	200	200
ET EFFLUENT		n-BUTYLBENZENE	1	UG/L		UJ	1	2
ET EFFLUENT		n-BUTYLBENZENE	2	UG/L		111	200	200
ET INFLUENT		n-BUTYLBENZENE	200	UG/L		UJ	1	1
ET EFFLUENT	11/16/99 REAL	n-PROPYLBENZENE	1	UG/L	∃U	UJ		

Appendix B- East Trenches Plume, November and December 1999 Sampling Event

Location	Sample Date	QC Type	Analyte	Result	Unit	Lab Qualifier	Validation Qualilfier	Detection Limit	Dilution Factor
ET EFFLUENT					UG/L			2	2
ET INFLUENT			n-PROPYLBENZENE		UG/L		UJ	200	200
ET EFFLUENT			o-CHLOROTOLUENE	1	UG/L UG/L		บัว	2	1
ET EFFLUENT ET INFLUENT			o-CHLOROTOLUENE o-CHLOROTOLUENE		UG/L UG/L		UJ	200	200
ET EFFLUENT			p-CHLOROTOLUENE		UG/L		UJ		1
ET EFFLUENT			p-CHLOROTOLUENE		UG/L			2	2
ET INFLUENT			p-CHLOROTOLUENE	200	UG/L		UJ	200	200
ET EFFLUENT			PROPANE, 1,2-DIBROMO-3-CHLORO-		UG/L		V	1	1
ET EFFLUENT			PROPANE, 1,2-DIBROMO-3-CHLORO-		UG/L	Ū		2	2
ET INFLUENT	11/16/99	REAL	PROPANE, 1,2-DIBROMO-3-CHLORO-		UG/L	U	V	200	200
ET EFFLUENT	11/16/99	REAL			UG/L			2	2
ET EFFLUENT				1	UG/L			1	1
ET INFLUENT			sec-BUTYLBENZENE	200	UG/L		UJ	200	200
ET EFFLUENT					UG/L		UJ	1	1
ET EFFLUENT			STYRENE	2	UG/L			2	2
ET INFLUENT			STYRENE	200	UG/L		UJ	200	200
			tert-BUTYLBENZENE		UG/L		UJ	2	2
ET EFFLUENT			tert-BUTYLBENZENE	·	UG/L UG/L		UJ	200	200
ET INFLUENT			tert-BUTYLBENZENE TETRACHLOROETHENE	200	UG/L		V V	1	1
			TETRACHLOROETHENE	.2	UG/L		· ·	2	2
ET INFLUENT			TETRACHLOROETHENE	300	UG/L		V	200	200
ET EFFLUENT			 	1	UG/L		บ้า	1	1
ET EFFLUENT				2	UG/L			2	2
ET INFLUENT			TOLUENE	200	UG/L		·UJ	200	200
ET EFFLUENT			TOTAL XYLENES	1	UG/L		UJ	1	1
			TOTAL XYLENES	2	UG/L			2	2
ET INFLUENT	11/16/99	REAL	TOTAL XYLENES	200	UG/L	U	UJ	200	200
ET EFFLUENT	11/16/99	REAL	trans-1,2-DICHLOROETHENE	1	UG/L	U	V	1	1
ET EFFLUENT			trans-1,2-DICHLOROETHENE	2	UG/L			2	2
ET INFLUENT			trans-1,2-DICHLOROETHENE	200	UG/L			200	200
ET EFFLUENT			trans-1,3-DICHLOROPROPENE	1	UG/L		V	1 /	1
ET EFFLUENT			trans-1,3-DICHLOROPROPENE	2	UG/L		ļ. ,	2	2
ET INFLUENT			trans-1,3-DICHLOROPROPENE	200	UG/L	10	V	200	200
ET EFFLUENT			TRICHLOROETHENE	4	UG/L	5	V	2	2
ET EFFLUENT ET INFLUENT			TRICHLOROETHENE TRICHLOROETHENE	3600	UG/L UG/L	U	V	200	200
ET EFFLUENT			TRICHLOROFLUOROMETHANE	1	UG/L	11	V	1	1
ET EFFLUENT			TRICHLOROFLUOROMETHANE	2	UG/L		· •	2	2
ET INFLUENT			TRICHLOROFLUOROMETHANE	200	UG/L		V	200	200
ET EFFLUENT			Transfer 200 - 200	1	UG/L	15	V	1	1
ET EFFLUENT			VINYL CHLORIDE	0.7	UG/L		:	2	2
ET INFLUENT			VINYL CHLORIDE	200	UG/L		V	200	200
ET EFFLUENT	12/6/99	REAL	1,1,1,2-TETRACHLOROETHANE	2	UG/L		V	2	2
ET INFLUENT			1,1,1,2-TETRACHLOROETHANE	200	UG/L			200	200
ET INFLUENT			1,1,1,2-TETRACHLOROETHANE	100	UG/L		V	100	100
ET EFFLUENT			1,1,1-TRICHLOROETHANE	2	UG/L		V	2	2
ET INFLUENT			1,1,1-TRICHLOROETHANE	200	UG/L			200	200
ET INFLUENT			1,1,1-TRICHLOROETHANE	100	UG/L		V	100	100
ET EFFLUENT			1,1,2,2-TETRACHLOROETHANE	2	UG/L		V	200	200
ET INFLUENT			1,1,2,2-TETRACHLOROETHANE	200 100	UG/L		V	100	100
ET INFLUENT ET EFFLUENT			1,1,2,2-TETRACHLOROETHANE	2	UG/L		· V	2	2
ET INFLUENT			1,1,2-TRICHLOROETHANE	200	UG/L			200	200
ET INFLUENT			1,1,2-TRICHLOROETHANE	100	UG/L		. V	100	100
ET EFFLUENT			1,1-DICHLOROETHANE	12	UG/L		V	2	2
ET INFLUENT			1,1-DICHLOROETHANE	200	UG/L			200	200
ET INFLUENT			1,1-DICHLOROETHANE	100	UG/L		V	100	100
ET EFFLUENT			1,1-DICHLOROETHENE	0.9	UG/L	J	V	2	2
ET INFLUENT	12/6/99	REAL	1,1-DICHLOROETHENE	200	UG/L		-	200	200
ET INFLUENT			1,1-DICHLOROETHENE	100	UG/L		V	100	100
ET EFFLUENT			1,1-DICHLOROPROPENE	2	UG/L		· V	2	2
ET INFLUENT			1,1-DICHLOROPROPENE	200	UG/L		-,,	200	200
ET INFLUENT	12/6/99	REAL	1,1-DICHLOROPROPENE	100	UG/L	U	V	100	100

Appendix B- East Trenches Plume, November and December 1999 Sampling Event

Location	Sample Date	QC Type	Analyte	Result	Unit	Lab Qualifier	Validation Qualifier	Detection Limit	Dilution Factor
ET EFFLUENT			1,2,3-TRICHLOROBENZENE	2	UG/L	<u> </u>	UJ	2	2
ET INFLUENT			1,2,3-TRICHLOROBENZENE	200	UG/L			200	200
ET INFLUENT	12/6/99	REAL	1,2,3-TRICHLOROBENZENE	100	UG/L	·U	UJ	100	100
ET EFFLUENT			1,2,3-TRICHLOROPROPANE	2	UG/L		V	2	2
ET INFLUENT			1,2,3-TRICHLOROPROPANE	200	UG/L			200	200
ET INFLUENT			1,2,3-TRICHLOROPROPANE	100	UG/L		· V	100	100
ET EFFLUENT			1,2,4-TRICHLOROBENZENE	2	UG/L		UJ	2	2
ET INFLUENT			1,2,4-TRICHLOROBENZENE	200	UG/L			200	200
ET INFLUENT			1,2,4-TRICHLOROBENZENE	100	UG/L			100	100
ET EFFLUENT			1,2-DIBROMOETHANE 1,2-DIBROMOETHANE	2	UG/L UG/L		V	200	2
ET INFLUENT			1,2-DIBROMOETHANE	100	UG/L		V	200 100	200 100
ET EFFLUENT			1,2-DICHLOROBENZENE	2	UG/L			2	2
ET INFLUENT			1,2-DICHLOROBENZENE		UG/L			200	200
ET INFLUENT			1,2-DICHLOROBENZENE	100	UG/L		UJ	100	100
ET EFFLUENT			1,2-DICHLOROETHANE		UG/L		V	2	2
ET INFLUENT			1,2-DICHLOROETHANE	200	UG/L			200	200
ET INFLUENT			1,2-DICHLOROETHANE	100	UG/L		V	100	100
ET EFFLUENT			1,2-DICHLOROPROPANE	2	UG/L		V	2	2
ET INFLUENT			1,2-DICHLOROPROPANE	200	UG/L			200	200
ET INFLUENT			1,2-DICHLOROPROPANE	100	UG/L		V	10 0	100
ET EFFLUENT			1,3-DICHLOROBENZENE	2	UG/L		UJ	2	2
ET INFLUENT			1,3-DICHLOROBENZENE	200	UG/L		<u> </u>	200	200
ET INFLUENT			1,3-DICHLOROBENZENE	100	UG/L		UJ	100	100
ET EFFLUENT			1,3-DICHLOROPROPANE		UG/L			2	2
ET INFLUENT			1,3-DICHLOROPROPANE	200	UG/L			200	200
ET INFLUENT ET EFFLUENT			1,3-DICHLOROPROPANE	100	UG/L		V	2	100
ET INFLUENT			1,4-DICHLOROBENZENE	2	UG/L UG/L			200	200
ET INFLUENT			1,4-DICHLOROBENZENE 1,4-DICHLOROBENZENE	100	UG/L			100	100
ET EFFLUENT			2,2-DICHLOROPROPANE	2	UG/L			2	2
ET INFLUENT			2,2-DICHLOROPROPANE		UG/L			200	200
ET INFLUENT			2,2-DICHLOROPROPANE		UG/L			100	100
ET EFFLUENT			4-ISOPROPYLTOLUENE	2	UG/L			2	2
ET INFLUENT			4-ISOPROPYLTOLUENE	200	UG/L			200	200
ET INFLUENT			4-ISOPROPYLTOLUENE	100	UG/L		UJ	100	100
ET EFFLUENT			BENZENE	0.8	UG/L	J	J	2	2
ET INFLUENT	12/6/99	REAL	BENZENE	200	UG/L			200	200
ET INFLUENT				100	UG/L			100	100
ET EFFLUENT			BENZENE, 1,2,4-TRIMETHYL	2	UG/L			2	2
ET INFLUENT			BENZENE, 1,2,4-TRIMETHYL	200	UG/L			200	200
ET INFLUENT			BENZENE, 1,2,4-TRIMETHYL		UG/L			100	100
ET EFFLUENT			BENZENE, 1,3,5-TRIMETHYL-	2	UG/L		UJ	2000	200
ET INFLUENT			BENZENE, 1,3,5-TRIMETHYL-	100	UG/L UG/L			200 100	100
ET EFFLUENT			BENZENE, 1,3,5-TRIMETHYL- BROMOBENZENE	2	UG/L			2	2
ET INFLUENT			BROMOBENZENE	200	UG/L			200	200
ET INFLUENT			BROMOBENZENE	100	UG/L			100	100
ET EFFLUENT			BROMOCHLOROMETHANE	2	UG/L			2	2
ET INFLUENT			BROMOCHLOROMETHANE	200	UG/L		!	200	200
ET INFLUENT	12/6/99	REAL	BROMOCHLOROMETHANE	100	UG/L		V	100	100
ET EFFLUENT			BROMODICHLOROMETHANE	2	UG/L			2	2
ET INFLUENT			BROMODICHLOROMETHANE	200	UG/L	U		200	200
ET INFLUENT			BROMODICHLOROMETHANE	100	UG/L			100	100
ET EFFLUENT			BROMOFORM	2	UG/L		V	2	2
ET INFLUENT			BROMOFORM	200	UG/L			200	200
ET INFLUENT			BROMOFORM	100	UG/L		V	100	100
ET EFFLUENT			BROMOMETHANE	2	UG/L		V	2	2
ET INFLUENT			BROMOMETHANE	200	UG/L		!	200	200
ET INFLUENT			BROMOMETHANE	100	UG/L			100	100
ET EFFLUENT			CARBON TETRACHLORIDE		UG/L		; V	200	200
ET INFLUENT ET INFLUENT			CARBON TETRACHLORIDE CARBON TETRACHLORIDE	160	UG/L UG/L	IND	V	100	100
ET EFFLUENT			CHLOROBENZENE	2	UG/L	11	UJ	2	2
ET INFLUENT			CHLOROBENZENE	200	UG/L		100	200	200
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Appendix B- East Trenches Plume, November and December 1999 Sampling Event

Location	Sample QC Date Type	Analyte	Result	Unit	Lab	Validation	Detection	Dilution
ET INFLUENT		CHLOROBENZENE	100	UG/L	Qualifier	Qualilfier UJ	Limit 100	Factor
ET EFFLUENT		CHLOROETHANE		UG/L		V	2 _	2
ET INFLUENT		CHLOROETHANE		UG/L			200	200
ET INFLUENT	12/6/99 REAL	CHLOROETHANE		UG/L		V	100	100
ET EFFLUENT		CHLOROFORM		UG/L	†	V	2	2 -
ET INFLUENT		CHLOROFORM		UG/L	JD		200	200
ET INFLUENT		CHLOROFORM		UG/L		V	100	100
ET EFFLUENT	12/6/99 REAL	CHLOROMETHANE		UG/L	U	V	2	2
ET INFLUENT		CHLOROMETHANE		UG/L			200	200
ET INFLUENT	12/6/99 REAL	CHLOROMETHANE		UG/L		V	100	100
ET EFFLUENT		cis-1,2-DICHLOROETHENE		UG/L		V	2	2
ET INFLUENT	12/6/99 REAL	cis-1,2-DICHLOROETHENE	24	UG/L	JD		200	200
ET INFLUENT		cis-1,2-DICHLOROETHENE		UG/L	J	V	100	100
ET EFFLUENT				UG/L	U	V	2	2
ET INFLUENT		cis-1,3-DICHLOROPROPENE	200	UG/L	U		200	200
ET INFLUENT		cis-1,3-DICHLOROPROPENE		UG/L	U	V	100	100
ET EFFLUENT		DIBROMOCHLOROMETHANE		UG/L		V	2	2
ET INFLUENT		DIBROMOCHLOROMETHANE		UG/L			200	200
ET INFLUENT	12/6/99 REAL	DIBROMOCHLOROMETHANE		UG/L		V	100	100
ET EFFLUENT		DIBROMOMETHANE		UG/L		V	2	2
ET INFLUENT		DIBROMOMETHANE		UG/L			200	200
ET INFLUENT		DIBROMOMETHANE		UG/L		V	100	100
ET EFFLUENT				UG/L		UJ	2	2
ET INFLUENT		DICHLORODIFLUOROMETHANE		UG/L			200	200
ET INFLUENT				UG/L		UJ	100	100
ET EFFLUENT		ETHYLBENZENE		UG/L		UJ	2	2
ET INFLUENT				UG/L			200	200
ET INFLUENT		ETHYLBENZENE		UG/L		UJ	100	100
ET EFFLUENT		HEXACHLOROBUTADIENE		UG/L		V	2	2
ET INFLUENT		HEXACHLOROBUTADIENE		UG/L			200	200
ET INFLUENT		HEXACHLOROBUTADIENE		UG/L		V	100	100
ET EFFLUENT		ISOPROPYLBENZENE		UG/L		UJ	2	2
ET INFLUENT		ISOPROPYLBENZENE		UG/L		···	200	200
ET INFLUENT		ISOPROPYLBENZENE		UG/L		.UJ		100
ET EFFLUENT ET INFLUENT	12/6/99 REAL	METHYLENE CHLORIDE		UG/L		. V	2	2
ET INFLUENT	12/6/99 REAL	METHYLENE CHLORIDE		UG/L			200	200
ET EFFLUENT				UG/L		U		100
ET INFLUENT		NAPHTHALENE NAPHTHALENE	_	UG/L	1.5	UJ	2	2
ET INFLUENT		NAPHTHALENE		UG/L UG/L			200	200 100
ET EFFLUENT		n-BUTYLBENZENE		UG/L			100	
ET INFLUENT		n-BUTYLBENZENE		UG/L			200	200
ET INFLUENT		n-BUTYLBENZENE						
ET EFFLUENT		n-PROPYLBENZENE		UG/L UG/L		UJ	100	100
ET INFLUENT		n-PROPYLBENZENE		UG/L		03	200	200
ET INFLUENT		n-PROPYLBENZENE		UG/L		UJ	100	100
ET EFFLUENT				UG/L			2	2
ET INFLUENT		o-CHLOROTOLUENE		UG/L			200	200
ET INFLUENT		o-CHLOROTOLUENE		UG/L		UJ	100	100
ET EFFLUENT				UG/L			2	2
ET INFLUENT		p-CHLOROTOLUENE		UG/L			200	200
ET INFLUENT		p-CHLOROTOLUENE		UG/L		UJ	100	100
ET EFFLUENT		PROPANE, 1,2-DIBROMO-3-CHLORO-		UG/L		V	2	2
ET INFLUENT		PROPANE, 1,2-DIBROMO-3-CHLORO-		UG/L			200	200
ET INFLUENT		PROPANE, 1,2-DIBROMO-3-CHLORO-		UG/L		· V		100
ET EFFLUENT		sec-BUTYLBENZENE		UG/L	: -	UJ	2	2
ET INFLUENT		sec-BUTYLBENZENE		UG/L			200	200
ET INFLUENT		sec-BUTYLBENZENE		UG/L			100	100
ET EFFLUENT	12/6/99 REAL			UG/L		UJ	2	2
ET INFLUENT	12/6/99 REAL	STYRENE		UG/L			200	200
LI IN LOLIN		<u> </u>		UG/L		UJ	100	100
ET INFLUENT	12/0/33 INLAL						2	2
ET INFLUENT		tert-BUTYLBENZENE	2	UG/L	U	UJ	Z	_
ET INFLUENT ET EFFLUENT ET INFLUENT	12/6/99 REAL 12/6/99 REAL	tert-BUTYLBENZENE		UG/L UG/L		UJ.	200	.200
ET INFLUENT ET EFFLUENT	12/6/99 REAL 12/6/99 REAL		200		U			



Appendix B- East Trenches Plume, November and December 1999 Sampling Event

Location	Sample Date	QC Type	Analyte	Result	Unit	Lab Qualifier	Validation Qualilfier	Detection Limit	Dilution Factor
ET INFLUENT	12/6/99	REAL	TETRACHLOROETHENE	260	UG/L	D		200	200
ET INFLUENT	12/6/99	REAL	TETRACHLOROETHENE	280	UG/L		V	100	100
ET EFFLUENT	12/6/99	REAL	TOLUENE	2	UG/L	U	UJ	2	2
ET INFLUENT	12/6/99	REAL	TOLUENE	200_	UG/L	U		200	200
ET INFLUENT	12/6/99	REAL	TOLUENE	100	UG/L	U	UJ	100	100
ET EFFLUENT	12/6/99	REAL	TOTAL XYLENES	2	UG/L	U	UJ	2	2
ET INFLUENT	12/6/99	REAL	TOTAL XYLENES	200	UG/L	U		200	200
ET INFLUENT	12/6/99	REAL	TOTAL XYLENES	100	UG/L	U	UJ	100	100
ET EFFLUENT	12/6/99	REAL	trans-1,2-DICHLOROETHENE	2	UG/L	U	V	2	2
ET INFLUENT	12/6/99	REAL	trans-1,2-DICHLOROETHENE	200	:UG/L	U		200	200
ET INFLUENT	12/6/99	REAL	trans-1,2-DICHLOROETHENE	100	UG/L	U	V	100	100
ET EFFLUENT	12/6/99	REAL	trans-1,3-DICHLOROPROPENE	2	UG/L	U	V	2	2
ET INFLUENT	12/6/99	REAL	trans-1,3-DICHLOROPROPENE	200	UG/L	U		200	200
ET INFLUENT	12/6/99	REAL	trans-1,3-DICHLOROPROPENE	100	UG/L	U	V	100	100
ET EFFLUENT	12/6/99	REAL	TRICHLOROETHENE	2	UG/L	J	V	2	2
ET INFLUENT	12/6/99	REAL	TRICHLOROETHENE	3200	UG/L	D		200	200
ET INFLUENT	12/6/99	REAL	TRICHLOROETHENE	3300	UG/L	·Ε		100	100
ET EFFLUENT	12/6/99	REAL	TRICHLOROFLUOROMETHANE	2	UG/L	U	V	2	2
ETINFLUENT	12/6/99	REAL	TRICHLOROFLUOROMETHANE	200	UG/L	U		200	200
ET INFLUENT	12/6/99	REAL	TRICHLOROFLUOROMETHANE	100	UG/L	U	V	100	100
ET EFFLUENT	12/6/99	REAL	VINYL CHLORIDE	0.9	UG/L	J	V	2	2
ET INFLUENT	12/6/99	REAL	VINYL CHLORIDE	200	UG/L	U		200	200
ET INFLUENT	12/6/99	REAL	VINYL CHLORIDE	100	UG/L	U	V	100	100

	Marine Sansa		Appendix 6 - Cast Trenches F					lara-	lim or version	REAL PROPERTY SHEET
Location	Sample Date	QC Type	Analyte	Result Type	Result	Unit	Lab Qualifier	Detection Limit	Dilution Factor	Validation Qualifier
	407.9	10000		1 641	and I	ek a alam				
ET EFFLUENT			1,1,1,2-TETRACHLOROETHANE	TR1	2	UG/L	Ü	2	2	V
ET INFLUENT ET INFLUENT	1/18/00		1,1,1,2-TETRACHLOROETHANE 1,1,1,2-TETRACHLOROETHANE	TR2 TR1	500 100	UG/L UG/L	U U	500 100	500 100	Ÿ
ET EFFLUENT			1,1,1-TRICHLOROETHANE	TR1	2	UG/L	Ü	2	2	V
ET INFLUENT		REAL	1,1,1-TRICHLOROETHANE	TR2	500	UG/L	U	500	500	
ET INFLUENT			1,1,1-TRICHLOROETHANE	TR1	10	UG/L	j	100	100	V
ET EFFLUENT ET INFLUENT			1,1,2,2-TETRACHLOROETHANE 1,1,2,2-TETRACHLOROETHANE	TR1 TR2	2 500	UG/L UG/L	U	2 500	2 500	V
ET INFLUENT			1,1,2,2-TETRACHLOROETHANE	TR1	100	UG/L	U	100	100	V
ET EFFLUENT			1,1,2-TRICHLOROETHANE	TR1	2	UG/L	U	2	2	V
ET INFLUENT			1,1,2-TRICHLOROETHANE	TR2	500	UG/L	U	500	500	
ET INFLUENT ET EFFLUENT			1,1,2-TRICHLOROETHANE 1,1-DICHLOROETHANE	TR1 TR1	100 2	UG/L UG/L	J	100 . 2	100 2	V
ET INFLUENT			1,1-DICHLOROETHANE	TR2	500	UG/L	U	500	500	•
ET INFLUENT			1,1-DICHLOROETHANE	TR1	100	UG/L	Ŭ	100	100	V
ET EFFLUENT			1,1-DICHLOROETHENE	TR1	0.8	UG/L	J	2	2	V
ET INFLUENT			1,1-DICHLOROETHENE	TR2	500	UG/L	U	500	500	
ET INFLUENT ET EFFLUENT			1,1-DICHLOROETHENE 1,1-DICHLOROPROPENE	TR1 TR1	100 2	UG/L UG/L	U	100 2	100 2	V
ET INFLUENT			1,1-DICHLOROPROPENE	TR2	500	UG/L	U	500	500	V
ET INFLUENT			1,1-DICHLOROPROPENE	TR1	100	UG/L	Ū	100	100	V
ET EFFLUENT	1/18/00	REAL	1,2,3-TRICHLOROBENZENE	TR1	2	UG/L	U	2	2	UJ
ET INFLUENT			1,2,3-TRICHLOROBENZENE	TR2	500	UG/L	U	500	500	
ET INFLUENT ET EFFLUENT			1,2,3-TRICHLOROBENZENE	TR1 TR1	100 2	UG/L UG/L	U U	100 2	100 2	V V
ET INFLUENT			1,2,3-TRICHLOROPROPANE 1,2,3-TRICHLOROPROPANE	TR2	500	UG/L	U	500	500	V
ET INFLUENT			1,2,3-TRICHLOROPROPANE	TR1	100	UG/L	Ŭ	100	100	V
ET EFFLUENT			1,2,4-TRICHLOROBENZENE	TR1	2	UG/L	U	2	2	UJ
ET INFLUENT			1,2,4-TRICHLOROBENZENE	TR2	500	UG/L	U	500	500	
ET INFLUENT ET EFFLUENT			1,2,4-TRICHLOROBENZENE	TR1	100	UG/L	U	100 2	100 2	V
ET INFLUENT			1,2-DIBROMOETHANE 1,2-DIBROMOETHANE	TR1 TR2	500	UG/L UG/L	U	500	500	V
ET INFLUENT			1,2-DIBROMOETHANE	TR1	100	UG/L	Ü	100	100	٧
ET EFFLUENT	1/18/00	REAL	1,2-DICHLOROBENZENE	TR1	2	UG/L	U	2	2	UJ
ET INFLUENT			1,2-DICHLOROBENZENE	TR2	500	UG/L	U	500	500	
ET INFLUENT ET EFFLUENT			1,2-DICHLOROBENZENE	TR1	100 2	UG/L UG/L	U U	100	100 2	UJ V
ET INFLUENT			1,2-DICHLOROPROPANE 1,2-DICHLOROPROPANE	TR1 TR2	500	UG/L	U	500	500	V
ET INFLUENT			1,2-DICHLOROPROPANE	TR1	100	UG/L	Ü	100	100	V
ET EFFLUENT			1,3-DICHLOROBENZENE	JR1	2	UG/L	U	2	2	UJ
ET INFLUENT			1,3-DICHLOROBENZENE	TR2	500	UG/L	Ú	500	500	111
ET INFLUENT ET EFFLUENT			1,3-DICHLOROBENZENE 1,3-DICHLOROPROPANE	TR1 TR1	100 2	UG/L UG/L	U	100 2	100 2	UJ V
ET INFLUENT			1,3-DICHLOROPROPANE	TR2	500	UG/L	U	500	500	•
ET INFLUENT	1/18/00		1,3-DICHLOROPROPANE	TR1	100	UG/L	Ū	100	100	V
ET EFFLUENT			1,4-DICHLOROBENZENE	TR1	2	UG/L	Ú	2	2	UJ
ET INFLUENT ET INFLUENT			1,4-DICHLOROBENZENE 1,4-DICHLOROBENZENE	TR2	500	UG/L	U	500 100	500 100	UJ
ET EFFLUENT			2,2-DICHLOROPROPANE	TR1 TR1	100 2	UG/L UG/L	U U	2	2	Λ .
ET INFLUENT	1/18/00	REAL	2,2-DICHLOROPROPANE	TR2	500	UG/L	Ŭ	500	500	
ET INFLUENT			2,2-DICHLOROPROPANE	TR1	100	UG/L	U ·	100	100	٧
ET EFFLUENT			4-ISOPROPYLTOLUENE	TR1	2	UG/L	U	2 500	2	UJ
ET INFLUENT ET INFLUENT			4-ISOPROPYLTOLUENE 4-ISOPROPYLTOLUENE	TR2 TR1	500 100	UG/L UG/L	U	500 100	500 100	UJ
ET EFFLUENT			BENZENE	TR1	0.7	UG/L UG/L	J	2	2	J
ET INFLUENT			BENZENE	TR2	500	UG/L	Ü	500	500	
ET INFLUENT			BENZENE	TR1	100	UG/L	U	100	100	UJ
ET EFFLUENT	1/18/00	REAL	BENZENE, 1,2,4-TRIMETHYL	TR1	2	UG/L	U	2	2	UJ
ET INFLUENT ET INFLUENT	1/18/00	REAL	BENZENE, 1,2,4-TRIMETHYL BENZENE, 1,2,4-TRIMETHYL	TR2 TR1	500 100	UG/L UG/L	U	500 100	500 100	UJ
ET EFFLUENT			BENZENE, 1,3,5-TRIMETHYL-	TR1	2	UG/L	Ü	2	2	UJ
ET INFLUENT			BENZENE, 1,3,5-TRIMETHYL-	TR2	500	UG/L	Ū	500	500	
ET INFLUENT	1/18/00	REAL	BENZENE, 1,3,5-TRIMETHYL-	TR1	100	UG/L	U	100	100	UJ
ET EFFLUENT			BROMOBENZENE	TR1	2	UG/L	U	500	2 500	UJ
ET INFLUENT ET INFLUENT			BROMOBENZENE BROMOBENZENE	TR2 TR1	500 100	UG/L UG/L	U U	500 100	100	UJ
ET EFFLUENT			BROMOCHLOROMETHANE	TR1	2	UG/L	U	2	2	V
ET INFLUENT	1/18/00	REAL	BROMOCHLOROMETHANE	TR2	500	UG/L	U	500	500	
ET INFLUENT			BROMOCHLOROMETHANE	TR1	100	UG/L	U	100	100	V
ET EFFLUENT ET INFLUENT			BROMODICHLOROMETHANE BROMODICHLOROMETHANE	TR1 TR2	2 500	UG/L UG/L	U U	2 500	2 500	V
ET INFLUENT			BROMODICHLOROMETHANE	TR1	100	UG/L	Ü	100	100	V
ET EFFLUENT		REAL		TR1	2	UG/L	Ŭ	2	2	V
ET INFLUENT	1/18/00	REAL	BROMOFORM	TR2	500	UG/L	U	500	50 0	

Appendix B - East Trenches Plume, January Sampling Event

1 ocation	Sample J. O.C.	Appendix b - Last Treffches r					D-42-41-	Duran-	SValid-Ale
Location	Sample QC Date Type	Analyte	Result Type	Result	Unit	Lab Qualifier	Detection Limit	Dilution Factor	Validation Qualifier
		1000 1000 1000 1000 1000 1000 1000 100	ii.				d.	5	
ET INFLUENT ET EFFLUENT	1/18/00 REAL 1/18/00 REAL	BROMOFORM BROMOMETHANE	TR1 TR1	100 2	UG/L UG/L	U	100 2	100 2	V V
ET INFLUENT		BROMOMETHANE	TR2	500	UG/L	U	500	500	V
ET INFLUENT	1/18/00 REAL	BROMOMETHANE	TR1	100	UG/L	U	100	100	V
ET EFFLUENT ET INFLUENT		CARBON TETRACHLORIDE CARBON TETRACHLORIDE	TR1	2	UG/L	JD U	2 500	2 500	V
ET INFLUENT		CARBON TETRACHLORIDE	TR2 TR1	160 200	UG/L UG/L	JU	100	100	٧
ET EFFLUENT	1/18/00 REAL	CHLOROBENZENE	TR1	2	UG/L	U	2	2	UJ
ET INFLUENT ET INFLUENT		CHLOROBENZENE	TR2	500	UG/L	U	500	500	111
ET EFFLUENT		CHLOROBENZENE CHLOROETHANE	TR1 TR1	100 2	UG/L UG/L	U	100 2	100 2	V .
ET INFLUENT		CHLOROETHANE	TR2	500	UG/L	Ū	500	500	
ET INFLUENT		CHLOROETHANE	TR1	100	UG/L	U	100	100	V
ET EFFLUENT ET INFLUENT		CHLOROFORM CHLOROFORM	TR1 TR2	15 110	UG/L UG/L	JD	2 500	2 500	V
ET INFLUENT		CHLOROFORM	TR1	110	UG/L	0.5	100	100	V
ET EFFLUENT		CHLOROMETHANE	TR1	2	UG/L	U	2	2	V
ET INFLUENT		CHLOROMETHANE	TR2	500	UG/L	U	500 100	500 100	٧
ET INFLUENT ET EFFLUENT		CHLOROMETHANE cis-1,2-DICHLOROETHENE	TR1 TR1	100 32	UG/L UG/L	U	2	2	V
ET INFLUENT		cis-1,2-DICHLOROETHENE	TR2	500	UG/L	U	500	500	
ET INFLUENT		cis-1,2-DICHLOROETHENE	TR1	29	UG/L	J	100	100	V
ET EFFLUENT ET INFLUENT		cis-1,3-DICHLOROPROPENE cis-1,3-DICHLOROPROPENE	TR1 TR2	2 500	UG/L UG/L	U	2 500	2 500	V
ET INFLUENT		cis-1,3-DICHLOROPROPENE	TR1	100	UG/L	Ú	100	100	V
ET EFFLUENT	1/18/00 REAL	DIBROMOCHLOROMETHANE	TR1	2	UG/L	U	2	2	V
ET INFLUENT		DIBROMOCHLOROMETHANE	TR2	500	UG/L	U	500	500	
ET INFLUENT ET EFFLUENT		DIBROMOCHLOROMETHANE DIBROMOMETHANE	TR1 TR1	100 2	UG/L UG/L	U	100 2	100 2	V
ET INFLUENT		DIBROMOMETHANE	TR2	500	UG/L	ΰ	500	500	•
ET INFLUENT	1/18/00 REAL	DIBROMOMETHANE	TR1	100	UG/L	U	100	100	V
ET EFFLUENT		DICHLORODIFLUOROMETHANE	TR1	2	UG/L	U	2	2	V
ET INFLUENT ET INFLUENT		DICHLORODIFLUOROMETHANE DICHLORODIFLUOROMETHANE	TR2 TR1	500 100	UG/L UG/L	U	500 100	500 100	٧
ET EFFLUENT		ETHYLBENZENE	TR1	2	UG/L	Ŭ	2	2	ÚJ
ET INFLUENT		ETHYLBENZENE	TR2	500	UG/L	U	500	500	
ET INFLUENT ET EFFLUENT		ETHYLBENZENE HEXACHLOROBUTADIENE	TR1 TR1	100 2	UG/L UG/L	U U	100 2	100 2	V V
ET INFLUENT		HEXACHLOROBUTADIENE	TR2	500	UG/L	U	500	500	·
ET INFLUENT		HEXACHLOROBUTADIENE	TR1	100	UG/L	υ	100	100	٧
ET EFFLUENT		ISOPROPYLBENZENE	TR1	2	UG/L	U	2	2	UJ
ET INFLUENT ET INFLUENT		ISOPROPYLBENZENE ISOPROPYLBENZENE	TR2 TR1	500 100	UG/L ปG/L	U U	500 100	500 100	UJ
ET EFFLUENT		METHYLENE CHLORIDE	TR1	12	UG/L	В	2	2	J
ET INFLUENT	1/18/00 REAL	METHYLENE CHLORIDE	TR2	280	UG/L	BJD	500	500	10
ET INFLUENT ET EFFLUENT		METHYLENE CHLORIDE NAPHTHALENE	TR1	48 2	UG/L UG/L	JB U	100 2	100 2	JB UJ
ET INFLUENT		NAPHTHALENE	TR1 TR2	500	UG/L	U	500	500	03
ET INFLUENT		NAPHTHALENE	TR1	100	UG/L	Ū	100	100	UJ
ET EFFLUENT		n-BUTYLBENZENE	TR1	2	UG/L	U	2	2	UJ
ET INFLUENT ET INFLUENT		n-BUTYLBENZENE n-BUTYLBENZENE	TR2 TR1	500 100	UG/L UG/L	U	500 100 =	500 100	UJ
ET EFFLUENT		n-PROPYLBENZENE	TR1	2	UG/L	Ü	2	2	ÚJ
ET INFLUENT		n-PROPYLBENZENE	TR2	500	UG/L	U	500	500	
ET INFLUENT		n-PROPYLBENZENE	TR1	100	UG/L	U	100 2	100 2	N1 N1
ET EFFLUENT ET INFLUENT		o-CHLOROTOLUENE o-CHLOROTOLUENE	TR1 TR2	2 500	UG/L UG/L	υ	500	500	03
ET INFLUENT		o-CHLOROTOLUENE	TR1	100	UG/L	Ū	100	100	UJ
ET EFFLUENT		p-CHLOROTOLUENE	TR1	2	UG/L	U	2	2	UJ
ET INFLUENT ET INFLUENT		p-CHLOROTOLUENE p-CHLOROTOLUENE	TR2 TR1	500 100	UG/L UG/L	U	500 100	500 100	UJ
ET EFFLUENT		PROPANE, 1,2-DIBROMO-3-CHLORO		2	UG/L	Ü	2	2	R
ET INFLUENT	1/18/00 REAL	PROPANE, 1,2-DIBROMO-3-CHLORO	TR2	500	UG/L	U	500	500	_
ET INFLUENT		PROPANE, 1,2-DIBROMO-3-CHLORO		100	UG/L	U	100	100 2	R UJ
ET EFFLUENT ET INFLUENT		sec-BUTYLBENZENE sec-BUTYLBENZENE	TR1 TR2	2 500	UG/L UG/L	U	2 500	2 500	OJ.
ET INFLUENT		sec-BUTYLBENZENE	TR1	100	UG/L	Ü	100	100	UJ
ET EFFLUENT	1/18/00 REAL	STYRENE	TR1	2	UG/L	U	2	2	UJ
ET INFLUENT ET INFLUENT	1/18/00 REAL 1/18/00 REAL		TR2 TR1	500 100	UG/L UG/L	U	500 100	500 100	UJ
ET EFFLUENT		tert-BUTYLBENZENE	TR1	2	UG/L	U	2	2	UJ
ET INFLUENT	1/18/00 REAL	tert-BUTYLBENZENE	TR2	500	UG/L	U	500	500	
ET INFLUENT		tert-BUTYLBENZENE	TR1	100	UG/L	U	100	100	A N
ET EFFLUENT	1/18/00 REAL	TETRACHLOROETHENE	TR1	2	UG/L	U	2	2	٧

Appendix B - East Trenches Plume, January Sampling Event

Location	Sample QC Date Type	Analyte	Result Type	Result	Unit	Lab Qualifier	Detection Limit	Dilution Factor	Validation Qualifier
ET INFLUENT	1/18/00 REAL	TETRACHLOROETHENE	TR2	300	UG/L	JD	500	500	
ET INFLUENT	1/18/00 REAL	TETRACHLOROETHENE	TR1	320	UG/L		100	100	V
ET EFFLUENT	1/18/00 REAL	TOLUENE	TR1	2	UG/L	U	2	2	UJ
ET INFLUENT	1/18/00 REAL	TOLUENE	TR2	500	UG/L	U	500	500	
ET INFLUENT	1/18/00 REAL	TOLUENE	TR1	100	UG/L	U	100	100	IJ
ET EFFLUENT	1/18/00 REAL	TOTAL XYLENES	TR1	2	UG/L	U	2	2	UJ
ET INFLUENT	1/18/00 REAL	TOTAL XYLENES	TR2	500	UG/L	U	500	500	
ET INFLUENT	1/18/00 REAL	TOTAL XYLENES	TR1	100	UG/L	U	100	100	UJ
ET EFFLUENT	1/18/00 REAL	trans-1,2-DICHLOROETHENE	TR1	2	UG/L	U	2	2	V
ET INFLUENT	1/18/00 REAL	trans-1,2-DICHLOROETHENE	TR2	500	UG/L	U	500	500	
ET INFLUENT	1/18/00 REAL	trans-1,2-DICHLOROETHENE	TR1	100	UG/L	U	100	100	V
ET EFFLUENT	1/18/00 REAL	trans-1,3-DICHLOROPROPENE	TR1	2	UG/L	U	2	2	V
ET INFLUENT	1/18/00 REAL	trans-1,3-DICHLOROPROPENE	TR2	500	UG/L	U	500	500	
ET INFLUENT	1/18/00 REAL	trans-1,3-DICHLOROPROPENE	TR1	100	UG/L	U	100	100	V
ET EFFLUENT	1/18/00 REAL	TRICHLOROETHENE	TR1	1	UG/L	J	2	2	V
ET INFLUENT	1/18/00 REAL	TRICHLOROETHENE	TR2	3500	UG/L	D	500	500	V
ET INFLUENT	1/18/00 REAL	TRICHLOROETHENE	TR1	3700	UG/L	E	100	100	
ET EFFLUENT	1/18/00 REAL	TRICHLOROFLUOROMETHANE	TR1	2	UG/L	U	2	2	V
ET INFLUENT	1/18/00 REAL	TRICHLOROFLUOROMETHANE	TR2	500	UG/L	U	500	500	
ET INFLUENT	1/18/00 REAL	TRICHLOROFLUOROMETHANE	TR1	100	UG/L	U	100	100	V
ET EFFLUENT	1/18/00 REAL	VINYL CHLORIDE	TR1	0.9	UG/L	J	2	2	V
ET INFLUENT	1/18/00 REAL	VINYL CHLORIDE	TR2	500	UG/L	U	500	500	
ET INFLUENT	1/18/00 REAL	VINYL CHLORIDE	TR1	100	UG/L	U	100	100	V

